

VHF-UHF Digest

the official publication of the Worldwide TV-FM DX Association

SEPTEMBER 1979

IN THIS ISSUE:

*A CONVERTER
FOR F₂ TV DX*



WMAR-TV / BALTIMORE

From The Staff:

WTFDA Headquarters, P.O. Box 97, Calumet City, IL 60409

WTFDA CONVENTION... This year's gathering was quite a success, with over 40 DXers in attendance. Hosts Tom Yingling, Jr., and Don Blevins did a great job on the Baltimore event, which will be detailed in a report next month. One of the highlights of this year's convention was a tour of WJAR-TV and FM. WJAR-TV's logo highlights this month's cover.

1980 CONVENTION BIDS OPEN... If you'd like to host the 1980 WTFDA convention, you must submit a bid in writing to HQ. A single paragraph will do, but please let us know the proposed site and dates. Deadline for bids is November 1, 1979.

COLUMN NEWS... We'd like to announce that we have two new editors for the CCI column. Send your unidentified DX mysteries to Scott and Mark Levitt, 3132 Woodland Drive, S. Plainfield, NJ 07080. **PHOTO NEWS** and **TV SCOREBOARD** did not appear last month due to USPS delays; this month's **PHOTO NEWS** is actually the August and September columns combined. **F2--WHAT CAN WE EXPECT**, a two part series, will conclude next month. This month's installment was "bumped" to make room for Jerry Pulice's super article on building a converter for foreign TV DX. There's not too much time left before VHF F2 starts!

NEW WTFDA ADDRESS... WTFDA HQ has a new address, so please take note: Post Office Box 97, Calumet City, Illinois 60409. Mike Hogan will be handling incoming mail, to facilitate publisher Pete Oprisko's many club duties. Mail sent to the old mailing address will continue to reach us for now, but please use the new address to speed things up.

GOOD NEWS FOR DXERS... CB Magazine, best of the national personal communications publications, is expanding its coverage to include DXing, and will feature a monthly TV-FM DX column written by WTFDA's own John Zondlo. The column starts in the October issue, but CB Magazine is already of great interest to PSB DXers as well, with a regular "Monitoring" section. Among many other items of interest, the September issue has a review of the new Regency aviation band scanner.

TABLE OF CONTENTS

MAILBOX: Some great TV DX has been seen in England.....	3
WTFDA NEWSWIRE: Texas Instruments' TV prototype a fiasco?..	5
A REVIEW OF THE BEARCAT SCANNERS: A look at the 210 & 250..	6
F2 TV DX CONVERTER: Ingenious circuit for foreign TV DX...	8
IN SEARCH OF PSB: Featuring Monroe County, New York.....	11
SOUTHERN FM DX: A lean season, but Floridians do well.....	12
NORTHERN FM DX: Not much Bs this year; tropo improving....	17
TECHNICAL TOPICS: Some questions on FM DXing.....	25
FCC FM NEWS: KXCV 90.5 knocked off the air by fire?.....	26
PHOTO NEWS: Featuring Tom Yingling's DX antennas.....	28
FCC TV NEWS: Five pages of Canadian news included.....	30
EASTERN TV DX: Some good tropo openings in the Midwest....	37
WESTERN TV DX: An uneventful July, not many reports.....	50
VHF UTILITY DX: Pat logs Florida pagers in Australia!.....	51
TV STATISTICS: The Total Political Units listing.....	54
INTERNATIONAL NOTES: A brief Mexican TV update.....	55



MAILBOX

John Zondlo
6617 Maryland
Hammond, IN 46323
(219) 844-8694
Deadline: 10th

New Members:

John Blue
Robert Forsman
Bruce Hammond
Mark Levitt
Alan Michalek
R. Colin Newell
Michael Porter
Lloyd Reedy

P.O. Box 86
Route 1, Box 241
1509 Marshall, #407
3132 Woodland Ave.
227 Redlands St.
2360 Forbes St.
8801 Custine Lane, #306
1146 7th St.

Davison, MI 48423
Noxapater, MS 39346
Liberty, TX 77575
S. Plainfield, NJ 07080
Springfield, MA 01104
Victoria, BC V8R 4B6
Houston, TX 77031
Ripon, CA 95366

Renewals:

Jim Ayers, John Barber, Jr., John Basehore, Walt Breville, R.S. Broadhead, John Glemmer, Roosevelt Crawford, Rob Curole, John Ebeling, Al Ellis, Richard C. Evans, Joe Fela, Paul Gaines, Bill Grant, Steven Grimm, Bill Heusmann, Mike Hollis, Tom Huehn, David Legler, Albert S. Lobel, Nick Lombardi, David Martin, David Nordmann, John Parillo, Walter Patton, Paul Petosky, John S. Phillips, Lee Prescott, Mike Reid, Don Ruland, Ronald Schatz, Michael Scheel, Steven Shaffer, Doug Talley, Richard Turcsany, Dave Wardell, Paul Wardell, Jim White, Craig K. Willard.

Rejoins:

Ken Blair-835 Prescott Drive-Lebanon, PA 17042
Andy Bolin-709 Lincoln Ave.-Charleston, IL 61920
William Eckberg-RR #2-Walnut, IL 61376
Thomas Holmes-2312 Blakeford Lane-Charlotte, NC 28211
Lexington Smith-55 East End Ave., Apt. 4G-New York, NY 10028

Address Changes:

Daryl Herzog-5625 Elsinore Ave.-Buena Park, CA 90621
John Jefferson-4016 Crest Court-Pleasanton, CA 94566
Jim Korn-P.O. Box 31111-San Francisco, CA 94131
Bruce Metzner-870 Old Willow Road, #162-Prospect Heights, IL 60070
Paul Petosky-Box 51-Trout Lake, MI 49793
Robert Williams-312 Shoshone St. E, Apt. B8-Twin Falls, ID 83301
David Wurl-908 W. 14th St.-Marshfield, WI 54449

Renewals Due in October:

Tom Bishop, John Callarman, Neil Dickerson, Vernon Eaton, Robert Eddy, Phil Epstein, Michael Lauman, Jerry Leon, Doug Mackey, George McKay, Jr., August Miller, John Rieger, Raymond Rodriguez, Dr. Joel Rosenberg, W. Ryan, William Scully, Robert Sowinski, Mike Sweeney, Larry Van Horn, George Viera, Walter Wesolowski, Dr. Richard E. Wood.

New member JOHN BLUE is a retail manager in a hardware store who's interested in all forms of radio communications. His DX gear includes an RF-2200 and an FRG-7000. John is also a member of SPEEDX, NASWA, IRCA and NRC.

From the Ol' South comes ROBERT FORSMAN, who also belongs to the Miami Valley DX Club. His interests include TV, FM, SW and AM, and he says he uses an FM tuner (type not listed) and various other receivers.

The call letters VE7DX1GH belong to new member R. COLIN NEWELL. His DX interests cover the range from FM-TV to SW to CB to utility. He uses an AM-FM table radio, a 10 element FM yagi antenna, and a Realistic Patrolman AM-VHF-hi receiver.

Tidbits.....

Congrats to Bob Langridge (Box 1014, Durant, IA 52747)! He reports that he's installed a 5' UHF dish with an AC-4990 preamp at 55', and has already picked up a 100 watt translator in nearby Iowa City. Keep up the good work, Bob, and be sure to report your catches!

Good to have Walter Patton (6252 Drolet St., Montreal, PQ H2S 2S7) with us for another year! He writes: "Gonna have to do something about the premium we Canadians have to pay for U.S. dollars. Perhaps if all the club members could buy a couple of hundred million dollars each of Canadian goods and services.....Thanks for the good work you guys are doing. Without you there wouldn't be a club." Appreciate the kind words, Walter.

In the June Mailbox we featured comments from Kevin Jackson (44 Farmhill Crescent, Leeds, West Yorkshire, LS7 2QA, England) about an unusual auroral reception. He writes with further comments: "I write concerning the suspect North American A2 signal that I saw. I did say that I thought it too early a closedown time, as now you say Newfoundland is -3.5 hours of GMT, so I do feel that it's not from the North American mainland. I read recently in a copy of the Benelux DX Club magazine for March one interesting reference to a television signal. I quote: "The reception of a USA station during the past summer has probably been an AFN station on channel A2 in the Faroe Islands." I have written to them, that is BDXC, about this statement, as I want to know why they think it was from the Faroe Islands. With regard to my auroral reception of a channel A2 signal, it would certainly come in on an aurora if there was a station on the Faroes or even Iceland, as they are both on GMT. The closedown time seems reasonable, possibly even a transmitter on the east coast of Greenland in the -2 hour GMT zone. I know that a transmitter was on the American base at Keflavik in Iceland, but as far as I know it was closed down. I can't even recall the channel. I remember there was some trouble with NATO at Keflavik. I have seen a photo of a mountain top in the Faroe Islands that's covered with long range surveillance radar, I assume part of the NATO DEW line. I wonder if the American forces moved to the Faroes after the Iceland trouble and set up a base. If that's so they did probably set up a TV transmitter also. With the signal being auroral it's going to be located to the north and the 3 countries mentioned seem the most likely locations. I feel that Greenland may be in the running, though as far as I know all the American bases are on the west coast, but maybe a new transmitter has been opened up. I wrote to Roger Bunney, who edits the DX column in the Television magazine, and he suggests the Faroes, Iceland, or even Greenland, with even the possibility of the transmitter being located in a rural part of the Canadian NE seaboard. Wherever the transmitter is located, it was my first-ever reception of 525 line system M signals." Kevin also reports on other DX in his part of the world: "Regarding the F2 conditions during the winter and spring, well things were really humming over here. I saw via F2 Rhodesia, USSR from the +4 hours GMT time zone to the +2 hours GMT zone, also signs of transmissions from China, with tentative receptions of East and West Malaysia, Australia, and an unidentified African transmission. I'm awaiting replies from Malaya and Australia. I saw the blank PM5544 test card on channel E2, which by all accounts is Malaysia, and a line sawtooth on channel A0, which can only be station ABMN in New South Wales, and I'm awaiting 100% confirmation. Since that period I've seen only Rhodesia, the most recent being May 29th, so I've been having a ball. Also many USA police, etc., heard, such as Arizona-Mexico border patrol with a screwdriver as the aerial, all on the TV set at 3 MHz bandwidth. Signals were extremely strong. I assume this winter will be as good or even better."

From the Garden State we have these words of wisdom from Paul Mount (471 Emerson Ave., Teaneck, NJ 07666): "July 10 was probably the day of the most exciting DX I've experienced. Around 7 PM I received a phone call from Eric Fader saying that he had skip on channel 3. I tried on 3 TVs but got nothing but locals (2 and 4 from NYC, 10 miles away). I went outside to play frisbee, instructing my mom to note any frequencies if Joe Fela called. Around 7:45 I was called in anyway to Joe on the phone, as my sister remarked, "I've got something on 3 that isn't 2 and 4," and a weak picture alternating with horizontal lines was seen. Joe said he heard "Wings" from West Palm Beach on 92.1, which I IDed as WNGS for him, and a few other FLs on 89.7 and 94.9 in particular. Recalling George Greene's story of how Tim Davisson, when in Tampa, would call George in Ohio if he was hearing OH FMs, and the Akron DXers could hear FL at the same time, I called ex-member Shel Swartz in West Palm Beach, telling him to turn on his radio! Meanwhile, on TV a talk show was seen, but every time I stuck my head in the doorway to look at the TV the signal would fade a bit. By this time my friends Dave and Robert had come in, wondering what was going on, and they sat down to watch. Shel was shouting, as he heard Taunton MA, near where he used to live, and I was shouting, too, as PBS credits were showing in an improving picture. He called Ken Simon on conference, and his wife was heard to say, "He can't talk to you now, he's getting something on FM," which turned out to be one of my semi-locals, WRSU. Then the big thrill. As Shel heard a Clarion PA ID on 91.7, the five of us were presented with a WEDU Tampa-St. Petersburg ID slide with a building on the right side. This was the first DX my friends had ever experienced, and the first TV DX ever received by anyone in my family here in Teaneck. Watching the ID slide form in front of our eyes was a thrill that still gives chills to think about." Way to go, Paul!

See y'all in October.....73.....jz

WTFDA news wire...

Morrie S. Goldman
5815 N. Christiana Ave.
Chicago, IL 60659

TI EXPERIMENTAL TV UNDER FIRE... That experimental television receiver developed by Texas Instruments under an FCC contract, has been sharply criticized by old line TV makers. The receiver which was said to offer greatly improved UHF performance, selectivity and image rejection, apparently has a very poor noise figure and other shortcomings. The project is now in the hands of a new company called R.F. Monolithics, run by former TI engineers. These problems cast a shadow on any near-term TV set improvements that might have resulted from technology developed for the experimental receiver.

NEW SINCLAIR FLAT POCKET TV SET? British TV and test equipment maker Sinclair, has developed a new flat CRT that they hope will make possible a true pocket-size TV receiver. The small company can't proceed without outside financial help, however. As far as we know, they haven't called Chrysler...The original Sinclair pocket (big pocket) TV first sold in the US for around \$400. They're now being closed out by some retailers for \$200 to \$250. Replacement parts availability may be a future problem though.

PHILIPS INTRODUCES 1/4" TRACK VCR... The Dutch manufacturer that failed in the US with its original VCR (but succeeded in Europe) may be on the right track now. Philips becomes the first to introduce a VCR that records color signals on a 1/4" track. The machine, model VR2020, uses a 1/2" tape cassette that can be flipped over as in the standard Philips audio cassette. Recording time is an incredible 8 hours total: 4 hours per side. The unit is programmable for up to 5 separate programs, up to 16 days in advance. Priced in Europe at around \$1400, the new VCR probably won't see the US until '81. It is expected that by that time, at least one Japanese manufacturer will offer a new generation compact VCR using a 1/4" tape cassette.

RECOMMENDED READING... The Howard W. Sams Company has introduced a new book (#21584) by M. J. Salvati, entitled, TV Antennas and Signal Distribution Systems. At \$9.95, the 256 page paperback book sounds expensive, but this book is a gold mine of information. The author reports on his own extensive testing of antennas, baluns, cables, splitters and other devices, as well as covering the basics of antenna systems and installation. It's a well written and up-to-date book.

COMSAT PLANS SATELLITE-TO-HOME PAY TV BY '83... According to Broadcasting, Comsat has set a goal to begin a pay TV service by 1983 that would beam scrambled TV signals from an orbiting satellite directly to the homes of subscribers. Each receiving installation would cost about \$200 and would include a one-meter dish antenna and tunable receiver. Comsat insists that the installations would involve existing technology and not a yet undiscovered breakthrough. The 12GHz satellite signal could be beamed to a rather narrow area, several hundred miles wide, or a broader area of 1000 or more miles. To prevent unauthorized reception, the transmissions would be scrambled. If Comsat follows the techniques now being used for conventional over-the-air pay TV, the decoder of any subscriber could be turned on or off at will. If a monthly payment is late, service could be remotely shut off.

STATION GUIDE UPDATE... A number of WTFDAers have volunteered to assist with this project and work is now coming along well. Up-to-date information on Canadian and Central American stations is very much needed however. If you can provide help in this area, please contact me directly. The new TV Translator Guide prepared by Robert Kramer and Mike Hogan is expected to be available very soon. Watch the YUD for details.

BITS... Radio-Electronics magazine will celebrate its 50th anniversary with a special issue in October. The issue is expected to have many unusual articles, including a look back over the past 50 years and a crystal ball look ahead... Popular Electronics will celebrate its 25th anniversary the same month, though no special issue is planned... Recent forecasts indicate that this fall or winter should mark the sunspot cycle maximum. All of us are charged up on what that does to the F2 skip MUF, but don't forget to check out auroral DX possibilities. Those fluttery signals can be frustrating, though sometimes produce exciting results. Auroral scatter and auroral induced Es can appear at just about any frequency from 30MHz to beyond 300MHz.

YOUR NEWS IS NEEDED... Watch your local papers for news of interest to other WTFDAers. DX tips are also welcomed... Thanks this month to Leo Boehl.

A REVIEW OF THE BEARCAT SCANNERS

By Rod O'Connor

Two of the more recent entries into the scanner market are the Bearcat models 210 and 250. Both receivers have received mixed reviews from Scanner Clubs and DXers. I have compiled some remarks and comments, which I have observed over the past few years. Perhaps, those of you on the market for a new scanner, or your first scanner will find these observations helpful in selecting a set best-suited to your needs.

The Bearcat 210, which first came onto the market in early 1977 is a ten-channel synthesized scanner covering the VHF low, ham and high bands, as well as the UHF and UHF "T" Bands.

The Bearcat 250 was introduced during 1978, and similar to the 210, is a synthesized programmable set. In fact, to put it mildly, the 250 could be classified as a 210 with frills. The 250 features fifty channels. Many extra features are included, such as a digital clock, auxiliary tape-recording control, and a priority feature. (More about them later.)

Over the past three years I have owned both the 210 and the 250. After using each set I have mixed feelings about each one. Other DXers and interested purchasers may want to note the following findings:

First of all, the 250, in my opinion, has far too many channels for DXing purposes. The fifty-channel is great for those who like to monitor the many different frequencies. Those who live in the city, or suburban areas would appreciate the many channels. Also, newspapers, Radio and TV stations and other agencies who need to keep a continuous account of police, fire, and ambulance services, would enjoy having all frequencies on one compact set. For DXing purposes, a set with fewer channels is better.

The Bearcat 250 features five "banks" of channels. If a set of 10 channels are not desired to be heard, the entire bank can be removed from the scan mode. Let us say that channels 41 thru 50 are marine frequencies. If you want to hear the other forty channels only, the "40" bank can be locked out. Likewise, if you do not want to hear local police frequencies on the 20 bank, they, too, can be locked out.

A valuable aid to the DXer is found in both models with the "search" feature. This allows one to program the set to automatically scan between a range of two frequencies. For example - to search the entire marine band of frequencies. The upper frequency limit of 157.425 mhz, and the lower limit of 156.275 mhz would be entered. The scanner then, scans constantly the band, stopping at any active transmission. The Bearcat 250, in addition, has a memory which recalls all of the active frequencies which were searched for. The frequency can then be displayed at a future time, and entered on an available channel. Another nice feature of the 250 is it's capability to count the number of times the frequency has been in use during a given period of time.

A REVIEW OF THE BEARCAT SCANNERS

This function can be extremely valuable in finding out just what the most active frequencies are in your area.

The 250 has two scan rates. The slow rate covers 5 channels per second. Fifteen channels per second are covered in the fast rate. The 210 has one scan rate only, of ten channels per second.

Both speeds on the 250 are far too slow, while the 210's scan rate is just about right. Short transmissions of just a few seconds in length can not be captured on the 250, especially with 49 other channels to scan.

Both the 210 and 250 have selectable "delay" and "lockout" features. This is a useful feature, to hold on to a channel for two seconds after a transmission, for any quick reply. The feature on the 210 must be set each time the set is turned on. On the 250, though, the feature is set, until you turn the feature off. For example, if you choose to lock out channel 28 this afternoon, it will still be locked out when you turn the set on the next time. The same holds true for the delay function. This feature does have a drawback. - Say, you "lockout" channel 39 today, and forget that you did. It will stay locked out until you remember to discontinue the feature. Be it later on today, or next week, the function must be re-set. On the 210 the delay and lockout features have to be re-set each time the set is turned on.

Still another feature of the 250 is the "priority" function. With this feature, you can hear channel 1 any time it is active, regardless if any other channels are active or not. Channel 1 is constantly guarded once each second.

The first few models of the 210 had troubles with "birdies". Fortunately, the problem appears to have been worked out. On the 250 birdies are easy to lock out if you follow the instructions in the manual.

The auxiliary function of the 250 is it's best feature. This automatically turns on a cassette tape deck without any other additional features. If you plan to be away from the scanner, and want to record the active channels, the auxiliary function will turn your tape deck on and off with each transmission. An excellent feature. Regrettably it is not available on the 210 or even the new 220 or 211 models which have recently been introduced. There are kits available, however, which when placed next to the scanner can perform the same function. One kit which I purchased for use with my 210 cost about \$30.00 (A bit expensive) but was worth it, and performed well.

The 250 appears to be VERY susceptible to aircraft interference. I am located only 3 miles from the Portland International Jetport, and find aircraft interference quite annoying. The interference appears to be the worst on the marine band. The Bearcat 210 did not appear to be as susceptible to interference.

The audio quality of the 250 speaker is only fair. Most transmissions sound rather squawky and slightly distorted. Perhaps this is just an individual set problem, or one which is applicable to all 250 scanners. Incidentally, there are external speaker jacks on both the 210 and 250 which cut off the main speaker. The audio quality on the 210, although better, was certainly not high fidelity. The speakers appear to be a round 3-inch type.

(continued on page 16)

F₂ TV DX CONVERTER

by Jerry Pulice, WB2CPA

By the time this appears in print, the F₂ season (and DX) should hopefully be in full swing. I've detailed here a converter I used last winter to put the 41.25 → 53.25 MHz foreign TV band within range of a standard HF receiver. Police-band scanners and monitors are not the most desirable receivers for F₂ TV DX surveillance, due to FM detectors and broad bandwidth. Tunable VHF receivers, in addition, have poor calibration. If you've got a HF "communications" (poor name—even phone calls qualify as "communications") receiver this converter will put it on the foreign TV band. In addition, if you hear video buzz on 45.75, 46.75, 48.25 or 49.75 MHz, just connect the converter output to your U.S. TV set to ch A6. The signal will be up-converted and your horizontal and vertical hold controls should take care of the slight differences in standards. Twice last year I received 625 line pictures on an unmodified U.S. TV this way. Bill Grant is of the opinion I was receiving Madrid (Spain!) so this scheme will work.

Now the bad news. I don't recommend you build this converter unless you have had experience in building VHF projects. Unless standard VHF point to point construction is used, you will end up with an oscillator/garbage generator. I will not be able to supply completed converters nor parts. It's not that bad, however. The passive balanced mixer used not only adds dynamic range and some suppression of "birdies" (spurious responses), but it cannot oscillate. The two JFET amplifiers are stable if you shield the source from the drain (1" x 2" copper PC board or foil is fine). Broadband construction keeps potential instabilities down.

Perhaps some enterprising WFFDA member will build these things for sale, with a percentage donated to the club!

THE CIRCUIT

The LO (local oscillator) is generated by a 36 MHz overtone crystal oscillator (order xtal from JAN CRYSTALS, 2400 Crystal Dr., Ft. Myers, FL 33907). If you have a junk box crystal near 36 MHz, by all means, use it (mine is 36.8736 MHz!). A tuned buffer stage delivers +7 dB to the mixer which is a double balanced hot carrier diode type. RF coming in is amplified in a grounded gate JFET amplifier stage (with two tuned circuits for preselection) before it goes into the mixer. The double balanced mixer (DBM) must have its IF output terminated in a low VSWR broadband load, and an untuned JFET grounded gate stage is ideal. Output is via a broadband 16:1 transformer. Total gain thru the converter is low, about +7-10 dB. Additional JFET preselector stages will give more gain as well as better selectivity. F₂ TV signals, in general, are already badly smeared and narrow bandwidth won't hurt, but will help (while getting rid of pagers, police, PSB, etc., who use this band in the U.S.). After you get it working, don't be afraid to experiment. For example, the 4.7 pF capacitors in the preselector can be changed to vary the bandwidth. My converter was built on a piece of g-10 PC board, unetched, to give a solid copper ground plane.

After completion, tune-up should proceed as follows.

F2 TV CONVERTER

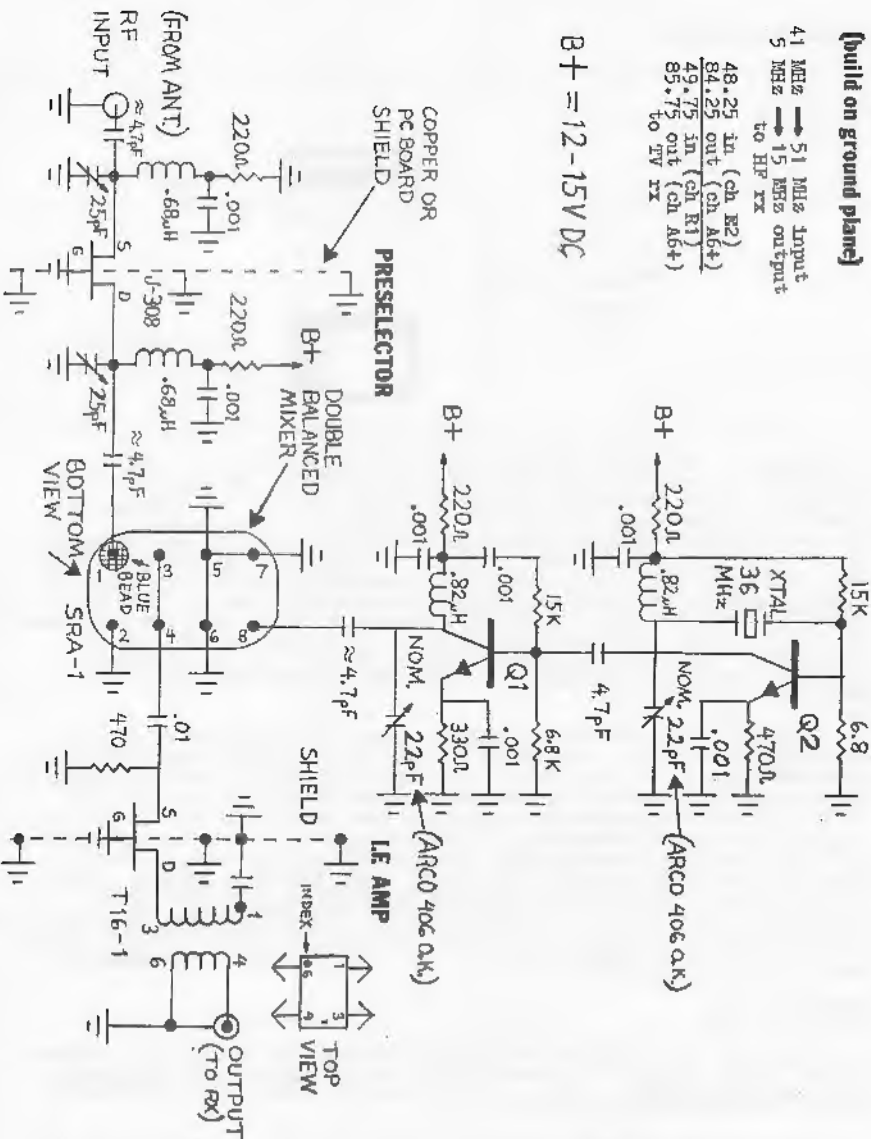
(build on ground plane)

41 MHz → 51 MHz Input
5 MHz → 15 MHz output
to HF rx

48.25	in (ch E2)
84.25	out (ch A6+)
49.75	in (ch R1)
85.75	out (ch A6+)
to TV rx	

$B+ = 12-15V$ DC

LOCAL OSCILLATOR (L.O.)

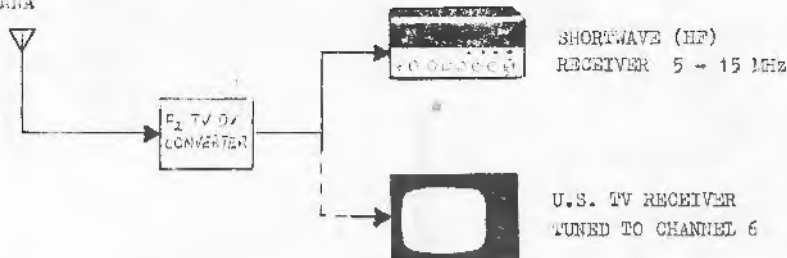


- 1) .001 μ F BYPASS - any small ceramic disc capacitor
- 1a) Q1 - Q2 - any good VHF small signal transistor, 2N918, 2N2369, etc.
- 2) J-308 FET by Siliconix (Circuit Specialists \approx \$1)
- 3) .82 μ H inductors molded chokes
- 4) 25 pF trimmers for preselectors should have shafts for tuning knobs (HAPC or equivalent)
- 5) \approx means approximate value $\pm 25\%$ OK--use what you have

SNA-1 - \$9.95, Minicircuits Labs, 2625 E. 14th St., Brooklyn NY 11235.
TL6-1 transformer - Minicircuits Labs @ \$6.00 unit price.

41 - 51 MHz

DX ANTENNA



Tune both oscillator trimmers (they don't have to be the ARCO parts specified--use what you can get) for maximum output. Be sure the crystal is on 36 MHz, the third overtone. You may have to beg, borrow, or steal a grid dip meter or some sort of equipment to verify this. Connect the input to an antenna and the output to your HF rx. There are pagers on about 43.22 MHz that gave me real problems when receiving BBC-ch 1 last year. Here is a chance to do something useful with them. Use them to peak the preselector tuning capacitors with your rx tuned to 7.22 MHz (43.22 MHz minus 36.00 MHz equals 7.22 MHz). They are always on the air here, and serve as a beacon to see if my gear is O.K. As you tune from 5 to 15 MHz the various users of the 41 - 51 MHz spectrum should be evident. THE PRESELECTOR MUST BE RE-TUNED WHEN YOU CHANGE FREQUENCY.

Once F2 returns, French and English audio should appear at 5.25 and 5.50 MHz respectively. Should any of the 625 line video carrier frequencies develop a 50 Hz buzz, you can try for a picture on your TV. Peak the preselector controls for the loudest buzz (48.25 will come out on 12.25 MHz) and then remove the converter from your HF rx and connect it to your channel 6 TV receiver. If the signal was strong (and it must be --TV requires approximately 100x the bandwidth to be seen, as video, than to be heard as a buzz), out of sync video should be evident. Both horizontal and vertical hold will have to be turned away from their "traditional" settings to lock the picture. If you've gotten this far tune the preselector and the TV's fine tuning (wide range varactor tuning is a plus) for the sharpest picture--and you've logged a new country. Now try and ID it, hi.

OBTAINING PARTS

Suggested source for parts: Circuit Specialists, Scottsdale, Arizona or any of the vendors to be seen in the back of 73 magazine, Ham Radio, QST, Radio-Electronics, etc. I'd be willing to answer any questions if you're contemplating construction.

73's and good (F2) DX,

Jerry Pulice

Jerry Pulice, WB2CPA
143 Gibson Avenue
Staten Island, NY
10308

IN SEARCH OF

Donald L. Blevins
1715 Earhart Road
Baltimore, MD 21221
phone 301-574-2714

IN SEARCH OF F.B....This month "In search of Monroe County"

while on vacation near Rochester, New York I couldn't resist the temptation to visit a radio shack to eavesdrop on the local police in the Rochester area.

Most of the towns around Rochester are dispatched by Monroe County and the licenses for the transmitters reflect this fact.

- | | |
|---------------------|---------------------------|
| Greece 460.35 | Sheriffs Office |
| Irondequoit 460.075 | West of Rochester 158.955 |
| Genessee 460.225 | East of Rochester 159.03 |
| Brighton 460.225 | |
| Gates 460.425 | Small Towns |
| Rochester 460.25 | West of Rochester 158.73 |
| 460.125 | East of Rochester 159.09 |
| 460.45 | |
| 460.50 | |
| 460.325 | |

All towns have the capability to communicate point to point on 155.37 and in addition have the responsibility to dispatch ambulance as noted:

- | | |
|-----------------------------|----------------------------------|
| Leroy Ambulance 155.295 | Ambulances communicate with area |
| Greece Ambulance 154.055 | hospitals on 155.34 & 155.28 |
| Monroe County 155.295 | |
| Henrietta Ambulance 155.235 | |
| Gates Ambulance 158.88 | |

The City of Rochester is charged with responsibility of radio communications for Rochester Fire Department and Monroe County Fire Departments

- 154.31 County Fire Departments
- 154.25 County to City Fire Trucks
- 154.13 City Fire Department

Some frequencies of special interest:

- | | |
|---|-----------------------|
| Rochester Gas & Electric 158.19 158.22 | Wyoming 155.01 |
| Rochester Water Supply 153.62 | Orleans Sheriff 39.14 |
| East Auburn Police 155.64 | |
| Rochester National Ambulance & Oxygen 47.58 | |

- New York State Thruway 453.525
- New York State Forestry 159.39 161.30 161.43

New York State Police

- | | |
|----------------|---------------------------|
| 155.505 Base | 154.77 Mobile |
| 154.655 Mobile | 154.665 Mobile |
| 154.905 Base | 154.695 Statewide Network |
| 155.585 Mobile | |

Thank you for coming to Baltimore.....

7/21 Es
 1928 KICB, Ft. Dodge IA
 (10 watts!? Very clear ID but tape not
 running--shazbot! Dornier sez still 10 watts,
 no CP for higher power!)

1941 GJOM 88.7 ON Windsor 960
 1945 unID 88.1 (L mx, SS DJ, but EE psa's)
 2001 WAUF 88.1 OH Akron 835
 2003 WBOE 90.3 OH Cleveland 865
 (running open carrier to avoid cross-talk
 on TB SCA--see Elving's column, June VUD)
 2020 F/out

7/31 Es
 1252 KCSO 90.1 OK Edmond 1055
 1258 KOSU 91.7 OK Stillwater 1085
 1258 KMG 92.5 OK Oklahoma City 1060
 1258 KBEZ 92.9 OK Tulsa 1005
 1259 KLLS 94.3 OK Okmulgee 1020

Orlando continues to receive some decent Es, including KICB-88.1 which is 10 watts as far
 as I know. What fun! Log at 331 stations. 73, John

Ken Simon, 510 6th Ave. S., Lake Worth, FL 33460 - May 22 to August 5 EDT

May 22 1723 91.7 WETL South Bend IN, a/off
 Es 1730 88.1 WVPE Elkhart IN, r, ID
 1750 88.3 WIAA Interlochen MI, ID
 1816 88.7 GJOM Windsor ON, r, ID
 gw ---- 89.3 WRMB Boynton Beach, new lo
 Es 1923 99.5 WLWL Minneapolis
 1927 88.7 WERN Madison, ID
 1930 88.3 WIAA, ID
 1934 100.3 WCTS Minneapolis MN
 1956 102.9 WBCS Milwaukee WI, ID
 2000 102.9 WCCO Minneapolis MN, ID
 (MUF up to 107)

2003 103.3 WMRW Wisconsin Rapids, WI
 May 30 2050 95.3 WSCR Fort Myers FL, ID, tr
 Es 2101 88.1 WAUF Akron OH, ID
 2102 93.1 CHAY Barrie ONT, ads, ID
 tr 101.9 WHEW Fort Myers FL, ID, k
 2109 97.5 WPCW Winter Haven FL
 Es 99.9 WERG Erie PA, TS, wx, ID

Jun 5 2036 88.5 KUMF Houston TX, ID
 Jun 24 1649 88.7 GJOM w/rock, temp 18, nx
 1707 92.9 WKJP Cadillac MI...tent.
 w/Tigers bbl., ad for MI lottery,
 Detroit Free Press)

1749 88.7 WAMU Washington DC, wx
 1837 93.7 unID, animal shelter spot,
 MINTON mentioned

1837 93.1 WPAI Paterson NJ
 1845 106.1 unID w/CBC sports rpt.,
 golf, CHEZ??

1850 101.9 WNES Central City KY, ad
 1855 104.9 WSHY Shelbyville ILL, a/o
 1903 107.1 WKRV Vandalia IL, s/off
 1907 105.1 unID SS w/baseball,
 (Radio Jacinto???)

1911 88.5 KUMR Rolla MO, \$, ID
 1914 107.5 WGLI Chicago IL, ID
 1916 106.5 unID Ohio epilepsy spot
 w/ mention of Crown Point, IN

1921 102.9 WBCS Milwaukee Wis, wx, ID
 1923 99.5 WEFM Chicago IL, WE-FM ID
 1928 104.7 Polka w/ WTKO ID & 105K
 1933 106.9 KJFF Jefferson MO K-Jeff

7/21 Es
 1300 KWGS 89.5 OK Tulsa 1005
 1300 KEBC 94.7 OK Oklahoma City 1060
 1300 KCKY 96.1 OK Oklahoma City
 1301 KNID 96.9 OK Enid 1100
 1303 KXXA 95.7 AR Little Rock 785
 1305 KWEN 95.5 OK Tulsa 1005
 1306 KDSA 91.1 KS Wichita 1130
 1306 KDSA 91.1 KS Wichita 1130
 1306 KSPF 93.9 OK Stillwater, tent.
 1308 KWHP? 92.7 OK Edmond, tent.
 1310 KWNS 93.1 KS Pratt 1170
 1310 KISR? 93.7 AR Ft. Smith, tent.
 1313 KNUW 89.1 KS Wichita 1130
 1319 KOBC 90.7 MO Joplin 940
 1320 KLKC 93.5 KS Parsons 970
 1322 KSYN? 92.5 MO Joplin, tent.
 1325 KTTS 94.7 MO Springfield 895
 1329 KRFG? 93.5 MO Greenfield, tent.
 2055-2105 various unIDs to 93.1
 2200-2205 Various unIDs to 91.1

Jun 24 1954 91.7 KSIU Iowa City IA NPR, ID
 2115 88.7 WFCR Amherst MASS, NPR, js
 Jun 25 1338 88.7 WSEI Edwardsville IL, ID
 tr 1346 107.3 WURA St. Petersburg FL, ID, a
 Es 1401 90.9 KCMW Warrensburg MO, FR 91
 Jun 26 2053 88.3 unID SS/ MOR 2/Sexta
 avenida mentioned
 2101 89? unID SS man talking about
 Nicaragua "R. Payaso"???

Jul 1 1218 92.9 KRGC Hannibal, Amer FM ax,
 mor & fireworks ad
 1231 94.7 KTTS Springfield MO, ID, k
 tr 1305 93.7 WNUZ Ocala FL, ad & AP nx
 Jun 2 1928 106.3 WAPC Clewiston FL, ID, k
 Es 1930 88.7 WSEI Edwardsville, IL, ID, nx
 1932 91.9 WSTU Carbondale, IL, nx, \$
 2002 95.7-9 unID w/Iowa nx, call
 sounded like KMCD??

Jul 10 1945 88.7 WRSU New Brunswick NJ, ID, psa
 1951 88.3?abt. railroad hoboes, mine
 strike song/CCI-rock

1959 91.7 WKOI Newark NJ ID
 2010 93.3 WYPO Stroudsburg PA, ID
 tr 93.5 WCVU Naples FL, "Seaview"
 1915 1853 88.7 GJOM Windsor ONT, Sun. Spec.
 Es 1901 88.3 WSHJ Southfield MI
 1922 88.3 WOL Eldon MO, s
 1934 88.9 WERS Boston MA
 1947 92.9?unID Wexford, Nestogie CO.
 mentioned

1952 93.5 CBE Montreal PQ
 1957 93.1 CHAY Barrie ON, ID, Chay FM
 2001 95.1 WLST Marinette WI, ads, ID
 2012 93.1 WAEK Cleveland
 Jul 21 2046 89.1 KNUW Wichita KS, ID
 89.1 WEMU Ypsilanti MI, ID
 2103 91.1 unID Larry Black show
 Rock-reiog! (WRVU???)\$

Jul 27 2009 90.9 WBUH Boston MA about
 Boston housing authority
 2010 88.7 GJOM Windsor ON, ID
 tr 2022 99.5 WQYK St. Petersburg FL, k

-Simon, cont.-

Aug. 2 Es

1747 52.9 KQRC Hannibal MO, ID, \$32
 1755 93.3 KWKI Kansas City MO, Sunlife 93
 1759 88.5 KJLC Kansas City MO, ID
 1800 91.1 KSMC Springfield MO FM 91, nx
 1809 94.5 KXAL Kirksville MO
 1813 94.9 KGGC Des Moines IA, ID
 1823 88.7 WSEI Edwardsville, IL, ID, IL nx

Aug. 3 tr

1451 89.9 WJCT Jacksonville FL \$90, ID
 1454 91.5 WPRK Winter Park FL

Aug. 5 tr

0620 89.3 WPIO Titusville FL, g, ID
 0631 104.7 WRBQ Tampa FL ?? rock
 0635 103.3 WDUV Bradenton FL, ABC nx Persp. ?

Tuner Kenwood KT-7001 and TV-LB antenna @ 40 ft. used.

Pick Samford, 404 E. McNeill, Burnet, TX 78611 - July 5 to August 6 CDT

7/6 Es

1732 WTKR 98.7 NC Greensboro, "A-99" ID
 1734 WBAG 93.9 NC Burlington, wx
 1737 WOOO 96.9 NC Statesville, ID
 1739 WKBC 97.1 NC North Wilkesboro, ad
 1739 WJLC 97.5 VA South Boston, ad
 "Trading post show"
 1746 WPTA 96.1 VA Martinsville, ad

7/7 Es

0908 WY 92.1 WI Minneapolis, wx
 1019 KWOA 95.1 VA Washington, wx
 heard just a few seconds
 1020 WFLI 93.3 CO Fort Collins, ad

7/19 gw

1259 KTW 106.3 TX Torrell Hill-San Antonio
 due. city 11 first day on air 90 mi.

7/21 Es

2033 WSAI 94.1 OH Cincinnati, r,
 "94.1-SAI FM"

7/25 Es

0859 WDBO 92.3 FL Orlando, ID

7/2, Es

1541 WSPT 97.9 WI Stevens Point, ID, wx
 1544 WLVE 94.9 WI Baraboo, "Love-\$-95," ID
 1556 WTPC 95.5 WI Wausau, ad
 1600 WJJC 92.1 WI Kwauston, ID, Brewers HB
 1611 WDUK 92.7 WI Waupaca, ad
 1601 KMT 92.9 IA Dubuque, ads, ID

7/30 tr

0045 WQSY 100.7 LA Baton Rouge, ID 435
 0947 WLIN 95.5 MS Jackson 500
 Lynn, "FM-95, ID
 0955 WTX 94.7 MS Jackson, "94-Ticks," ID

One of last month's mysteries has now been solved: WCEZ 96.7 (heard on 7/2) is located in Jupiter, FL and is the former WJZ-FM. KTUP (operating on a freq. vacant since 72 when KBUC-FM moved to 107.5) adds some diversity to the San Antonio FM scene with its aziz/soul format. This stereo, 24 hours a day (except for Monday a.m. silent period) station has brief local news around 40 after the hour and has been heard with slogans such as "106-FM", "I-Tough", and "Your Music Machine for the Metro Area" in addition to its fairly frequent IDs as of this writing.

Tim McVey, Route 3, Box 568, Bolivar, TN 38008 - March 23 to July 12 CDT

Equipment: JVC JF-22 AM-FM stereo tuner, Aztec U-42 antenna at about 25', Juliette 8TR-18R AM-FM stereo, its 12-element yagi at 25', and a pair of pliers to turn the antennae.

3/23 tr

0640 WBLX 92.9 AL Mobile 322
 0645 WRSJ 94.9 AL Mobile
 0655 WFLR 96.1 AL Mobile
 0700 WFMF 104.5 LA Baton Rouge 365
 0702 WVEL 105.3 LA Slide 1 360
 0715 WQTD 93.7 MS Biloxi 343
 , been trying for this one for two years,
 very strong signal, 2+)

0708 WRNO 99.5 LA New Orleans 379
 "the rock of New Orleans"
 0710 WBYL 95.7 LA New Orleans 379

3/29 tr

0700 KILT 100.3 TX Houston, "FM-100" 543
 0714 KRLI 93.7 TX Houston

4/30 tr

0655 KXKZ 107.5 LA Ruston 286
 ? KWIC 107.7 TX Beaumont 472

4/10 tr

0630 WBLE 101.5 GA Marietta 270
 0650 WPLO 103.3 GA Atlanta 276
 0700 WQXI 94.1 GA Smyrna 275

5/6 tr

2030 KTYL 93.1 TX Tyler 415

5/7 tr

0700 KCMW 90.9 MO Warrensburg 370
 0705 KOAX 105.3 TX Dallas-Ft. Worth 485

5/22 Es

1829 WPCG 95.5 MD Morningside, 708
 signal to 3.5!!; no hint of Es or hash on TV.
 2000 WFLS 93.3 VA Fredericksburg, mode 676
 of propagation? don't know, could barely
 read signal.
 2015 WOCB 94.9 MA West Yarmouth 1090

5/23 Es

1400 KWFM? 92.9 AZ Tucson, "at 93, this 1310
 is K (static for a few seconds) st. in Tucson"

5/31 tr

0945 WNES 101.9 KY Central City, 171
 somehow pushed through local KBTM in
 Jonesboro, AR
 ? WSEI 92.9 IL Olney 242

6/1 Es

6/1 Es
1000 KPDS 93.1 SL Sturgis 1025
(signal to 4!, beautiful stereo! listened to this and watched KERY TV 4 in Pieree at the same time.)

1020 KYA 93.3 MT Billings 1288
"-93" ex KOYN, sends nice QSL Letter
1245 KKL 93.9 SD Rapid City, "5 9" 1000
1300 KIZZ 93.7 ND Minot, "2-94" 1115
1330 KEVA 98.5 ND Belcourt 1110
(Too bad I didn't get Canada as close as Belcourt is.)
1345 KESD? 88.3 SD Brookings, 758
listened to 60 min. of classical mx without hint of ID or location; I assume this from drawing an Es "pipeline" on the map.
1350 WDAY? 93.7 ND Fargo 915
Does WDAY carry Mutual news?

6/5 Es
1900 KPDS 93.1 SD Sturgis
1915 KYA 93.3 MT Billings
1925 KYSS 94.9 MT Missoula 1544

6/7 tr
0910 KNOE 101.9 LA Monroe 265
0922 WJNS 92.1 MS Iazoo City 187
0935 WBYU 95.7 LA New Orleans 379
0940 WHEP 103.5 MS Hattiesburg 280
0950 WQID 93.7 MS Biloxi 343

Es:
1010 XHNH 95.1 GTO Irapuato, first 1282
Mex. FM for me, sounded awful
1030 XHLC 98.7 JAL Guadalajara, r 1343
positively the best stereo I've heard yet

6/8 Es
1815 KFWN 92.9 NM Farmington, ad 1102
1822 KQNM 93.7 NM Gallup, "Quick FM" 1115
1830 KQB 93.3 NM Albuquerque 1000
1838 KBIM 94.9 NM Roswell 915
1855 KTEF 89.7 NM Ramah, Indian 1110
talk show, couldn't ID till someone spoke in English!

1940 KLYT 88.3 NM Albuquerque 1000
1947 KUNM 90.1 NM Albuquerque

6/10 Es
0855 KLEJ 93.7 TX Austin 638
0857 KITY? 92.9 TX San Antonio, does 715
KITY uses "92-nine FM" as their non ID?

NOTES: Within a 200-mile radius of my home, nearly every TV-FM channel is occupied. Just recently WJHR Jackson, TN and WTKI Ripley, MS signed on to clutter up more band space. Many class A channels are two or three deep. Tropes make up the bulk of my logs, Nashville, Little Rock, Birmingham, Memphis and St. Louis come in on B/C channels 50-75% of the time. My log stands at just over 300. 45 are Es, 1 is Ms. I have heard 29 states, two Mexican outposts and one Can. province. Best state is TN at 55 (55%). 73 and GDX, Tim...

Panda: B. Clark, Rt. 9 Box 231, (Dutch Ridge), Parkersburg, WV 26101

As usual times are in EDT. Stations new are underlined. Using a Radio Shack "Patrolman 6" with 30 inch whip for FM-etc., 245 ft. above ground level. Band conditions haven't been so good lately with only a handful of fair Es openings to say the least. My apologies to those who missed my appearance at the convention as I was unable to attend. I'm sure it was SOMETHING else!. If all goes well, you should be reading my feature article on the Remotes soon. Report starts on next page.....

6/11 Es
1230 KAMA 93.1 TX El Paso, 1049

6/16 tr
0902 EGUS 97.5 AR Hot Springs 239

6/17 tr
??? WQHI 95.7 IN Jeffersonville 271
" KMPC 97.3 MO Springfield 286
" WYLA 92.9 KY Lexington 308
KCEZ 94.9 MO Kansas City 415
UNIL 106.5 MO Kansas City, "106-K-pix"
tr (You must mean KFIX, MO, DB)

6/20 Es
1810 KAMA 93.1 TX El Paso 1042

6/21 tr
0820 WNAZ 93.1 IN Indianapolis 355
2040 WFTO 98.7 MO Springfield 286
2047 KQBC 90.7 MO Joplin 347

6/25 tr
2200 WKKU 88.9 KY Richmond 303

6/30 Es, my "traditional" new England skip for two years....
1015 WPAZ 93.1 NJ Patterson 878
1020 WBBR 90.9 MA Boston 1065
1025 KSPZ 92.9 CO Colorado Springs, 930
"2-93", r. Don't ask me how that one got in there!

1027 WRIM 93.3 MA Taunton 1055
1030 WNYZ 92.5 CT Waterbury-Hartford 972
1045 WHTN 93.1 MA Springfield 987
1047 WJZY 92.7 MA Lawrence 1070
1050 WHAV 92.5 MA Haverhill 1075

7/5 tr
2252 WBIR 103.5 TN Knoxville 290
2230 WTVK 107.7 TN Knoxville
2315 WMBE 101.5 GA Marietta 470
2300 WZZK 97.5 TN Knoxville

7/7 Es
0915 KRAI 93.7 CO Craig 1094
0915 UNID 93.7 ID Boise, ads for Boise-Nampa area. New station? Help!
0930 KUHO 93.3 UT Salt Lake City 1315

7/12 Es
PTL on TV 2, hash on local WREG-3, short Es blips on FM. MUF seems to be Tv 5.

(June, 79)

21--2047-WVKO-94.7-Columbus, OH (while WXIL is off--lighting!)
 22--MILD TR in with WIBO-etc in, PLUS "****" for about 2 HOURS!!!
 which gave me the following new stns...
 1643-WDBN-94.9 Medina, OH
 1738-WXXK-96.1 Pitte, PA
 1744-WPTV-95.7 Piqua, OH
 1758-WBBL-96.7 Rainelle, WV

24--1918-1945 ES unid's up to 94 MHz.

1921-WQUE-93.3 New Orleans, LA relogg.

MILD TR is in with WLP at 2325, plus the usual relogg's.

26--2137-WQOB in w/the other usual 250 mile stns in.

(July, 79)

02--1450-1505 ES brief peaks of unid's to 94 MHz, PLUS WXIL is off from 1500-1504 with WVKO in idling as "Mellow-Madness" at 1508.

05--1743-1906 ES, hearing several CBC-RADIO stations in... 1979, 4 or 77

1907-1829 WJZ-90.1 Presque Isle, ME MAINE!!! "The all new Ft. 6" then a
 CBC RADIO STN on 6.7-9.7 at 1859-1908 CBH-A-90.5 a typical CBC RAY stn
 in with the Newfoundland WX at 1904-1 0.1 [A.F. is my 1 th of te,
 0.1-1 0.1 WYQ-99.1 Chambersburg, PA "Court-y-Te" in while WLBZ is off"

11--1113-1155 ES very minor but hearing a easy listening stn in from 11 or 94.9
 MILD TR in with 11... 11-1155 id's as "The 50. 30 w tt 3 PER-LOCK of 1000g,

18--0847-WERU-91.1 Richmond, KY (QS'ed by Loy W. Lee NASWA club member!)

20--1256-13... KBEZ-Tulsa, OK-93.3 19th State!... at 1258-1306 solid Q!

1410-1411-RKTH or KSIW tentative, in with Paul Harvey at 1311

24--1028-WCA 101.5 WVPN-88.5 Charleston, WV at 12... TR way up--
 by 1415, WCA-101.5 Cleveland, OH in at 2100... FSR hi bands getting wild
 on the Pager freqs-etc.

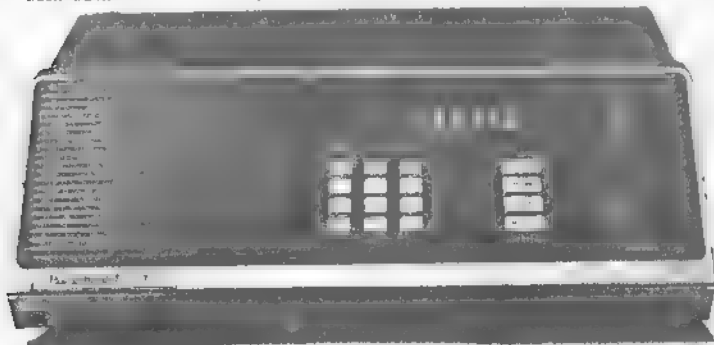
27--0800-WYBU-82.5 Cincinnati, OH & CBCL-93.5 London, ONT, Canada booming in!
 0857-WGC-104.3 Detroit, MI in... 2159-WCAK-92.9 Catlettsburg, KY-among others.

20--0044-LHJ-92.2 w/ccl from WXBT-Columbus, OH 1210-WSLQ & 1256-WVAB-89.1 Roanoke

IV NCIES** on 8/07/79 I snagged KEFS-ch2 MEXICO!! between 1734-1758 w/Test Fat
 that appeared in Popular Electronics May, 1975 Page-69 via Glenn Hause:
 I've been trying for over 6 years for Mexico!!! and here it is!

A REVIEW OF THE BEARCAT SCA...ERS (continued from page 7)

Concluding this critique, I hope that I have given the reader a fair idea of what I have found to be good and bad points of the Bearcat 210 and 250 scanners. It is difficult to recommend a certain set to the DXer, and I would not care to specify which one is better. Hopefully, I have given a few even-handed criticisms of each set. Good Luck with whichever set you decide to buy!



NORTHERN FM-DX

Ralph Strobel, editor
2510 E. McGalliard Rd.
Muncie, Indiana 47303
(317) 288-5815

Deadline: the 10th

SEPTEMBER 1979

for FM Xers in Canada, the Northwest-Central states of WA OR ID MT WY ND SD NE MN IA MO and states east of the Mississippi River and north of the Mason-Dixon Line.

Make Sugaj - 69 Sherman - old - Enfield, CT 06082

Equipment: Sony 5130 w/Finco FM-5 @ 35 ft. w/rotor. New underlined.

1/14 Au	5/30 Es
1955 WABR 107.9 IL Aurora ... Princess	2042 WMLZ 94.1 FL Pensacola
Floor Covering in Aurora...	2048 WLVV 94.9 FL Mariana
	2100 WBGM 98.9 FL Tallahassee
1/21 J4	6/2 Super heavy tropo down the coast to
0947 WTB 107.1 RI Pawtucket West-8-107	NO. Besides Norfolk stations pegging,
0948 W 106.9 ON Ottawa all nx	WFFL-106.5 and WITN-93.3 both super
0953 WAD1 106.9 NJ Camden g	strong from 2000-0400 of 6/3.
1032 WBNW 107.1 NY Briarcliff Manor	6/3 Very strong tropo from 1400 on from
2/24 G4	Reading, Lancaster, and Reil Lion.
97 WML 96.7 VT Brattleboro ex-WNCS	1712 WLEV 96.1 PA Easton o/WERS
3/4 tr	1715 WUId 100.7 PA Allentown? concert
132 WOS 95.9 NY Liberty rare, strong	6/9 tr Super coastal tropo again
3/6 24	2240 WZRI 103.3, WNOP 98.7 pegging
2002 WXXB 107.9 MA Newford i, ex-WWEL	2445 WJMC 100.7 NJ Wildwood
3/10 G4	2248 WBOS 104.7 MD Ocean City
1855 WLOM 104.7 MA Orleans	2453 WJHI 99.9 MD Ocean City "100 K-high"
3/25 24	o/WEEZ local
2000 WZ 103.5 MI Detroit	2355 WFFL 106.5 NC Bridgeton pegging
2003 W 98.7 MI Detroit	6/10 tr
3/28 24	0000 All Norfolk area stations pegging
1715 W 89.9 CT Berlin r	0007 WMYK 93.7 NC Elizabeth City "
4/1 Au noticed first at 1700 tune in,	2100 Norfolk FM in strong, then surprise:
strongest ever heard.	2156 WBB 102.7 NS Halifax, pegging, IDed
1816 WNCI 97.9 OR Columbus r	as "CBC Stereo" Halifax
2029 WGER 102.5 MI Bay City ID	2200 CIOO 100.1 NS Halifax, pegging, IDed
4/3 Au	as "C-100" Both excellent for 2 hrs.
1758 WNCI 97.9 OH Columbus	2359 WATD 95.9 MA Marshfield r, DJ said
1852 WNU 103.5 MI Detroit	station was getting out good to MD & VA.
1 53 WJFO 98.7 MI Detroit	6/15 Es
1858 WTEM 96.9 PA Braddock r	1820 Briefly UNids on 92.9 and 94.5.
2041 WYD 104. PA Pittsburgh r	6/18 tr
2050 WJZZ 98.7 DC Washington	0102 WCMF 96.5 NY Rochester r
2138 WJMZ 107.9 MI Flint	6/23 Es
4/14 4	1047 WQMG 93.3 IA Des Moines
1623 WBEC 103.5 MA Pittsfield ex-WQPB	6/24 Es
1/2 tr	1929 KGUS 97.5 AR Hot Springs
1747 WYUT 92.7 WY Harkimer r, "Y-93"	1932 KFIN 107.9 AR Jonesboro
5/10 Es	1944 KVIL 103.7 TX Dallas
2041 WBLX 94.9 AL Mobile	1952 KSMB 94.5 LA Lafayette "K-94"
2058 WQUE 93.3 LA New Orleans	1953 KLCO 97.9 OK Poteau
2100 WJDE 95.3 AL Thomasville	1955 WFMF 102.5 LA Baton Rouge
2127 WALT 97.1 MS Meridian	1959 WKEL 105.3 LA Slidell
5/21 Au	2010 WCKW 92.3 LA La Place
2000 WNU 103.5 MI Detroit	2029 KWIC 107.7 TX Beaumont
5/22 Es	2037 KAYD 97.5 TX Beaumont
2006 KROZ 92.1 TX Tyler	2044 KQXY 94.1 TX Beaumont
5/30 Es	2051 KPAC 98.5 TX Port Arthur
1935 WKBJ 94.9 AL Mobile	2100 WFLA 104.5 OK Pryor
1944 1 94.7 "	2100 WFLA 104.5 OK Tulsa
1948 BGM 94.9 FL Tallahassee	2107 WZL 104.5 TX Orange r
1950 WJY 101.9 AL Montgomery	2108 WFWB 104.5 OK Oklahoma City "102-FM"
1951 WJUD 106.3 MS Moss Point	2110 WQXY 100.7 LA Baton Rouge
1952 WJAD 97.3 LA Bainbridge "97-Rock"	2127 WQD 97. OK Tulsa
2002 W 99. "	2127 WQD 97. OK Tulsa
2006 W 94.9 FL Jacksonville	2127 WQD 97. OK Tulsa
2011 WFTI 97.7 AL Auburn-Copelia	1/25 Es
2011 WYNK 101.5 LA Baton Rouge	1205 WNU 89.7 FL Miami
2018 WLAZ 92.7 AL Mufaula ex-WULA	6/28 Es
2041 WFP 107.9 FL Panama City	2030 KCO 100.1 LA Shreveport

6/28 Es
2058 KND 101.1 LA Shreveport
2121 KZBC 9.1 LA Nachodoches
6/28 Es
1723 KWB 92.9 LA Beatrice
1727 W 99.7 TN Memphis
1730 K-ER 96.9 LA Pittsburg
1731 KWLX 97.3 LA Westerford
1742 KKYK 103.7 AR Little Rock
1746 KVR 97.7 LA Goldredge
2230 Heavy coastal tr as far as NC
2255 WBSK 101.9 NC New Bern "K-102"
2303 AS 99.3 NC Pleasantville d
1987 even program
2315 T 106.1 LA Marion excellent
6/30 Es
1047 WJ 95.3 LA Thomasville
1054 W 7.2 AL Clanton
1100 WAI 9.5 LA Birmingham mellow mx
1101 W 124.7 AL Birmingham k
1112 WBSA 96.1 LA Decatur
1112 W 100.9 LA West Point m
1133 WIA 97.9 LA Greenville
7/1 Es
1044 WVOH 97.5 LA Haverhill
1124 WCRW 92.5 LA Laplace
1130 WBCD 97.5 AL Mobile
7/7 Es
1525 KROK 94.5 LA Shreveport
1530 KNS 98.7 TX Dallas
1530 KZEW 97.9 TX Dallas
1535 KFEZ 97.1 TX Ft. Worth "L-97"
1538 K-L 100.9 AR Arkadelphia

Totals state now about 260 logged. As was not really that great this season. Many of the openings had a tough time making it up to 5". There were no super heavy Es openings as in past years, either. The was good because picking out IDs wasn't much of a problem. Coastal trope was w above normal. I've never heard such strong signals from NC coastal stations, and I think that the last time I made it into New England was 4 or 5 years ago. Also, it looks like I will have to put up a completely new antenna system before the winter. A check from the roof shows that the guy wires, etc., will probably never survive another winter.

Colin Newell - 2360 Forbes St. - Victoria, BC V8P 4B6

Equipment: Realistic MTA-7 Table Radio, 10 Element Archer Vagi Antenna.

5/5 Es
0330 XHIS 90.1 BN Tijuana
"Stereo Noventa"
0445 KMEC 96.9 AZ Phoenix m
0455 KUPD 97.9 AZ Tempe r
0459 KQYT 95.5 AZ Phoenix
3605 KQCT 100.3 CA WA w/definite KIKK
ID, DJ asleep and "FM-100" non-ID
0610 KCRW 89.9 CA Santa Monica ID
0620 had to leave
5/31 Es
9425 XHIS 90.1 BN Tijuana

To introduce myself, I am a 20 year old student of electronics working my way thru as a gardener in spare time, e.g. Spring-Summer 0900-1700. This report will bring me up to date and I hope I have enough material to send in another next month. This season, I find, has been reasonable but not near levels of 1974-7, etc. I expect some good auroral conditions soon. 73, Colin

Neil G. Zank - 623 Lyncrest Dr. - Lincoln, NE 68510

Equipment: Pioneer SX-750, Ten Element Yagi 345 ft. w/rotor.

7/1 tr 0030 95.9 KS Derby
0045 101.7 KS Manhattan
7/2 tr 0100 90.1 KS Hutchinson
7/8 tr 0030 88.3 IA Cedar Rapids
7/20 Es 1215 93.7 NC Elizabeth City

7/7 Es
1538 KLCO 97.9 OK Poteau
1544 KOAX 105.3 TX Dallas
1545 K-LX 99.5 LA Ft. Worth
1549 KSCS 96.3 TX Ft. Worth
1551 KTCB 99.9 AR St. Smith
1558 KCAF 94.5 TX Gainsville
1558 KREG 92.1 LA Fayetteville
1559 K-ET 93.3 OK Ada
1605 K-LX 92.1 OK Ardmore "K-double-RO"
1612 K-LX 97.5 OK Tulsa
1621 K-LX 91.5 LA Tulsa g
1624 K-LX 92.3 LA Westerford
1629 K-LX 97.9 LA Wichita
1632 K-LX 92.3 KS Newton
1634 K-LX 9.3 OK Clinton
1637 K-LX 107.3 KS Wichita
1639 Another great night of coastal tr as far as Norfolk.

7/1 Es
1641 K-LX 92.1 FL La Belle k
1645 K-LX 94.5 FL Naples
1646 K-LX 94.9 FL Miami "eta-4"
2005 WGYI 93.5 FL Vero Beach
2006 K-LX 89.7 FL Miami
2024 K-LX 93.3 FL Tampa
2025 Noticed WAGI 101.3 switched to top 40 from m, "KC-101"

7/15 Es
1500 KVR 106.5 IA Davenport ID
7/15 tr
1520 Montreal area stations in good
1545 CIKE 99.5 PQ St. Adele FFC "seem"

5/6 Es
0305 KSID 95.3 KS Sidney brief op. 1200
5/8 Es
0420 K-LX 90.1 BN Tijuana w/open. 1200
122 that overpowered locals, brief like KS.
1225 7/6 tr
2115 FPG 102.1 WA Wenatchee rare ID 150
6/10 tr
1515 KDLA 104.7 WA Ocean shores m 100
squeezing through Olympic mountain range
5/16 GW
1655 GKO 96.1 BC Vancouver 55

7/20 Es 1223 WGO 98.3 VA Lynchburg
1230 WNGR 98.7 VA Norfolk
1235 WYFI 99.7 VA Norfolk
1240 WRSV 92.1 NC Rocky Mount
7/26 tr 1055 WHRM 90.9 WI Wausau

Fred McCormack - 909 12th St. N. - Fargo, ND 58102

Equipment: Heath AJ-1600 Tuner, Winegard CH-7078 Antenna, Alliance Rotor

6/5 Es				6/28 Es			
1929 KNFM	92.3 TX Midland	1064 2157 WKYS	93.9 DC Washington r	1138			
1935 KJAK	92.7 TX Slaton	963 6/29 Es					
1950 KWAS	101.9 TX Amarillo g	8+8 0930 WMBK	89.7 SC Columbia g	1211			
2147 KXTZ	94.1 NV Henderson r	1197 0930 WMPR	88.1 SC Sumter c	1239			
2137 KRNC	106.9 NV Reno r	1259 6/30 Es					
2215 KFMV	101.9 NV Las Vegas 'K-FV'	1197 1035 KKDA	104.5 TX Dallas r, 'K-104'	974			
6/8 Es		1040 KUMF	88.7 TX Houston	1185			
2051 KJZY	100.3 TX San Antonio 'Z-100'	1211 1043 FMGC	102.9 TX Dallas	974			
2452 KTVM	102.7 TX San Antonio r	1211 1054 KILT	100.3 TX Houston 'FM-100'	1185			
2058 KOYE	94.9 TX Laredo	1346 1150 KAMA	93.1 TX El Paso SS	1163			
2105 KSLT	94.5 TX Harlingen	1429 1158 WRAL	101.5 NC Raleigh '101-FM'	1209			
2111 KBFM	104.1 TX Edinburg r	1423 7/4 tr					
2113 KJUN	101.3 TX Sinton 'C-101'	1302 0713 WLKX	95.9 MN Forest Lake	213			
2115 KJUN	101.3 TX Brownsville	1449 0927 KNWS	101.9 IA Waterloo g	374			
2144 KJTL	95.3 TX Port Lavaca r	1262 0932 KFMW	107.9 IA Waterloo m	374			
6/9 Es		0959 KLSB	106.1 IA Mason City r	310			
0933 KPLA	99.3 TX Fort Worth	975 1003 KFNC	106.5 MN Fairmont	250			
6/13 tr		7/14 tr					
2352 KAVL	101.5 IA Storm Lake	302 0741 KNUJ	93.1 MN New Ulm	210			
6/14 tr		0900 KRLI	105.5 MN St. Peter	224			
0939 KJBI	96.5 NE Grand Island k	419 7/16 Es					
0826 KJAN	103.7 IA Atlantic	389 2131 KNFM	92.3 TX Midland	1064			
0907 KJUN	102.1 KS Hutchinson 'U-102'	612 2134 KCOF	104.7 TX Lamesa	1014			
0916 KMGK	93.5 IA Des Moines	398 7/20 tr					
0924 KARD	107.3 KS Wichita 'Ph-107'	632 0803 CJUM	101.5 MB Winthrop	208			
0930 KEDI	101.3 KS Wichita FM-101'	632 0907 KXGR	96.7 MN Grand Rapids	141			
6/15 Es		0912 CBQH	100.9 OH Dryden	275			
1718 WGBH	69.7 MA Boston	1296 1012 CKSE8	99.5 MA Brandon F	250			
1729 WJXX	94.9 MA West Yarmouth	1355 7/21 tr					
1731 WPTJ	107.1 RI Providence r	1297 2339 KJMI	100.1 MI Marshall k	176			
6/22 Es		7/27 tr					
0004 KJIT	102.3 SD Mitchell r	226 1908 WQXI	94.1 GA Smyrna '94-Q'	1.03			
0018 KGHU	104.1 SD Yankton \$ 'Q-FM'	277 7/28 Es					
0025 KKEZ	94.5 IA Fort Dodge r	328 0855 WGH	97.3 VA Newport O nx	1244			
0056 KOKG	94.3 SD Brookings r s/off	177 0904 WCBM	92.7 NJ Toms River	122+			
0058 KJIT	90.3 IA Sioux City	302 0908 WTAO	107.7 O. Dayton r	799			
0617 KJAM	103.1 SD Madison	198 0912 WVRT	105.3 VA Norfolk g	1256			
0647 KBNQ	102.5 IA Des Moines	398 0916 WEBS	103.7 VA Richmond 'FM-103'	1174			
0655 KZZL	99.5 IA Le Mars	283 0923 WUDE	101.3 VA Hampton '2-WD'	1245			
0701 KLYF	100.3 IA Des Moines	398 0928 WYFF	99.7 VA Norfolk	1256			
0946 KBHO	93.3 MN Benson	122 0955 WYYD	96.1 NC Raleigh m 'FM-96'	1209			
6/23 Es		2039 WAWC	90.3 NY Albany	1162			
1106 KJNN	105.5 NM Alamogordo k	1079 2043 WQGW	104.3 NY Utica	1081			
1111 KRKE	94.1 NM Albuquerque 'Rock-94'	1961 2053 WBCN	104.1 MA Boston	1296			
1119 KJNT	97.5 TX El Paso 'K-98'	1163 2055 WCTB	101.9 MA Falmouth.	1339			
1128 KEEZ	97.3 TX El Paso	1163 2102 WJYJ	94.1 RI Providence 'Joy'	1295			
1136 KVOE	95.5 TX El Paso 'The U'	1163 2102 WLKW	101.5 RI Providence	1295			
1158 KJYK	94.9 AZ Tucson 'K-Joy'	1258 2106 WRLM	93.3 MA Taunton	1307			
1920 KHTW	96.5 ID Twin Falls 'K-96'	914 2109 WJFD	97.3 MA New Bedford Port.	1322			
1922 KJOT	105.1 ID Boise k	967 2120 WAWZ	99.1 NJ Zarephath g	1189			
1930 KSTH	94.9 ID Pocatello	813 2128 WWSF	93.3 NY Jamestown 'SE-93'	923			
1933 KJVC	98.3 ID Burley k	885 7/29 Es					
2000 KUAT	90.5 AZ Tucson	1238 0104 KYGO	98.5 CO Denver r	642			
6/24 tr		1603 WSHA	88.9 NC Raleigh r	1209			
0927 WWIB	103.7 WI Ladysmith g	285 1943 WZYR	102.7 TN Memphis 'Rock-103'	882			
6/28 Es		1950 WCPC	93.3 MS Houston	984			
2024 FFLG	92.9 AZ Flagstaff m	1115 8/3 Es					
2103 FFOG	93.1 MD Baltimore k	1139 1040 KQIZ	93.1 TX Amarillo r	848			
2115 WJJC	92.7 MD Prince Frederick g	1171 (New stations underlined. GPT used.)					

* * * * *

Jim Alexander - 4 Brook Court - Parsippany, NJ 07054

Equipment. Heath 19-15 receiver, horizontal stack of JM Stereo Probe 9's @ 25'

8/1 tr	2300 WFGG	91.9 VA Suffolk	8/2 Es	1915 WJUN	92.1 AL Hamilton
8/2 Es	1857 WBLX	92.9 AL Mobile		1923 WJUN	92.1 MS Yazoo City
	1904 WDJC	93.7 AL Birmingham			73 and good DX, Jim

- 3 antenna at 25' w/loop fringe amp.

signal	130
signal, top 40, 600 watts	127
ced ground wave	190
air signal	127
	225
me heard w/new call.	200
	170
new calls not heard	1
BACK off. "Super-G-103"	155

Until I found this new
for Boston and Gl

air signal despite WFM	220
cellent by minor trop	210
e , this requires trop	220
1. weak	260
interference	225

B5 173 0.3 A 96 Kicks ID
1 0.3 A excellent signal
#1 0.3 A first time heard w/k and new call.
#2 0.3 A 0.3 IA breed = t.e. - 0.3 signal, organ nx, s/off

Several times.

| tr | Vol | 36 | 36. | Interwar '70s | Country Calendar at 1:30" | 290 |

... Wagon ... A ... "Quick-3-Rock" "Lion Country" 250w 115

131 C ... ext to local WVCD-97.9, but in 225

[illegible]

218	0.11	20.4	1 Horseheads K, good signal	90
219	0.11	20.4	1 Horseheads K, good signal	90

04	290	090 and FM ID, good signal	290
NS 0150			265

MS 22	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

[illegible]

1010 WHELM	93-3 MA Taunton F. in Wall	235
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2010 WHEN	97.5	NR	LOCATION	4, in well	233	
2011 WHEN	91.3	7	SLONY	under entire local ny	etc arena	1048

1108	KUTB	93.7 SD Winner Wt. 4n well	1235
------	------	----------------------------	------

| tr 15 | 88.1 IV | 100% 1le | weak |

1444	WXCT	91.7 CT Danbury r. good signal	110
------	------	--------------------------------	-----

[illegible]

antenna system were used in part to augment Boston without T-28 and

the new antenna system were also according to a. But Boston with our much en-
hancement, so when at the time of the first year I should have some good
results. I had once about here only a month by Peter Sawitzky of Ontario
who brought along one of his portable fisher and livers for a trout in the north-
west here. I must say that it was quite a sort of a. Unfortunately, it was
terrible as usual that day so we could not get out real far. 23. Harry

Drop front - history card - 5/25/44, 10/1/44

Equipment: 110000 64-24 stereo recorder, 74000 24-24 stereo Erbe 9 Antenna at
25 feet w/rotor.

6/8	tr		
0238	WJPF	99.3	J Pleasantville r.
0240	WJPF	100.1	NJ Ship Bottom r
0250	WJPG	96.9	NJ Atlantic City m
0251	WBLI	106.1	NY Patchogue local off
0301	WJXS	99.1	MA Worcester m.
1015	WMAZ	102.1	MA Springfield r

7/6	GW	
0194	WH	27.3 IA Harrisburg RR
7/10	tr	
0040		90.9 IA Philadelphia folk \$
0408	WK II	99.0 MD Ocean City r3
0115	WDSB	94.7 I Dover K3 thru local
0130	WJW	101.5 RI Providence r3

6/30 tr
113 NINE 91.9 New York pirate
0117 P. 91.7 New York vacated 91.9
to clear frequency for another pirate,
not audible here.
6/30 Es
1142 FA 91.9 A Jonesboro
1200 WSTU 91.9 IL Carbondale
1135 KAKE 91.7 NH Grand Rapids
7/9 tr
2334 WHJY 94.1 RI Providence
2339 FM 99.1 MA Plymouth
2351 WOLC 102.5 MD Princess Anne
7/10 tr
0100 WESD 94.7 DE Dover
0100 WSEA 93.5 Dr Georgetown
Lots of good traps, but he has made it up to PM only four times all season that I've
heard. pretty dismal. Hoping for some ducts this fall. 73, Eric

7/10 tr
0105 WJEN 106.9 NJ Camden
7/20 tr
0036 NJ 91.5 MD Baltimore
7/21 tr
0106 WNYN 98.1 MA New Bedford
0128 WJAX 94.3 MA West Yarmouth ex-WOGB
7/22 tr
0045 NINE 91.7 NY New York
0801 WRPI 91.5 NY Troy
7/24 tr
0730 WAMH 90.3 NY Albany
5/2 tr
0050 WTKS 107.9 MA Medford ex-WWEL
8/2 Es
7752 WUGT 91.9 TN Knoxville

Andy Bolin - 709 Lincoln - Charleston, IL 61920

Equipment: Heath AJ-15, w/highly modified IF strip, Stereo Probe 2 Antenna.

5/6 tr most Jackson MS strong at 0900. 2200 KYND, KRLI, KAUM all Houston, TX (785)
strong. 2300 KEEZ San Antonio (940). 2301 KIOF 106.1 "K-106" w/pr Orange, TX.
5/7 tr 0001 KXIL 93.1 Tyler, TX w/pr and non-IDer as "93 Tyler" (700); 0002 WJIM
95.3 Coldwater, MS w/ID/soul/s; 0003 KKAJ 95.7 w/r# Ardmore, OK (625); 0045 1055
mile KOTY 94.9 Laredo, TX. After 0200 most all Dallas & OKC very strong. 0310
KLIF 105.1 w/a to m8 & missed every hourly ID throughout the night - Lufkin, TX
(680). Wall to wall. "94-LVS" jingles as 94.3 LVS 10400 Germantown, TN w/r: 0550
KXCH 94.5 o/semi WLRW w/r# Shreveport LA. Also in was KTAL, KRMJ & non-IDer "The
Fox" KCFX 97.7 Edmond, Ok. 5/8 tr 0200 to 0300 KKNZ & KCFM both OKC (590). 5/9 tr
most Tulsa, OK & KOAX Dallas, TX 0315 to 0330. 7/11 Es 1712 to 1730 w. TX MUF
KXKH. 1744 back w/KARE from 92.3 to 92.5 Greeley CO w/m; 1918 KFKZ 96.1 w/mono g;
2045 KJCL 107.9 Fort Collins, CO w/m8. 5/12 Es 0950 MUF hit top from NYC, Boston
& most of ME. New 02030 was WKHC 88.1 Middletown, CT w/pr# (770); 1011 WNGX 93.1
w/r# Portland, Me (950); 1028 WJIV 95.3 White River Junction, VT; 1034 "S-ABK"
jingles are WABK 104.3 Gardiner, Me w/r#. 5/22 Es SC & FL up and down from 1645
to 2015. New 02030 was WKHC 88.1 Raleigh, NC. 5/23 Es @1830 Lubbock-Amarillo, TX
MUF KLLL. 6/1 Es 1100 most Denver/Co Springs (890); later at 2130 most Phoenix
(1365). 6/4 tr 0220 to 0345 KCFM OKC (590). 6/5 Es 1255 to 1315 KBFM, KIKW &
K-DUV all S. TX (1040); 1820 to 1850 lots of WY & S.E. ID. 1920 to 1956 most Al-
buquerque MUF top (1105). 6/7 tr @0300 WCHL 91.7 Alpena, MI (470). 6/8 Es from
2000 to 2330 up and down many times from Amarillo/Lubbock/El Paso/Albuquerque MUF
XFM. 6/9 Es 0715 to 0740 S. FL MUF WMJX; 0910 to 0931 KACV TX. 6/10 Es 0815 to
0845 S. TX MUF K-DUV. 6/11 Es KBAT, KJF4, KCKE, KLSN, KDUV, KRLY, KAUM all TX
0930 to 0957. 6/18 tr after 0230 most OKC/Tulsa & "The Fox" KCFX; 0330 KOAX
Dallas; 0415 rain & gone. 6/21 Es 1041 KEAN 97.9 "continuous k constantly" Ogden,
UT (1250). 6/24 Es 1750 to 1940 S. FL/E. JA/h. SC. MUF top; 01824 "FM-100" WCHD
100.1 Statesboro, GA w/r. 6/25 Es 1150 to 1230 Miami MUF WMJX. 6/26 Es strong
1440 to 1945 started w/S. TX and slowly north to Okc. It seemed that every stn.
in TX was in during that hour at least once. 6/30 Es 0950 to 1055 El Paso, TX
MUF top; 01105 WOBM NJ & WJOU ME; 1310 to 1350 KQIX, K2AN and all Provo/Salt Lake
City, UT. 7/1 Es WMCU, WUSP, WTHI, WFTM all FL 1105 to 1132. 7/2 Es 1015 to 1210
Miami & keys MUF top. 7/5 Es @1630 CBH 90.5 w/CBC-English/ID Halifax, NS (1540);
1635 CBAF 92.3 w/CBC-Fr ID Halifax; 1659 CKJL 100.9 w/mono Eng. G Truro, NS (1365);
1700 CIOO 100.1 Ided only as "J 100" even on the hour-Halifax w/r#; 1701 WMBE 91.9
Orono, ME w/pr#; 1715 10 watt WJOL 89.3 w/mono pr/ID Bangor, ME; Also many relogs
from ME/NH/VT/NY to 1040. 7/10 Es 1852 to 1903 all Miami. 7/11 Es to 1415 to 1107
Houston & San Antonio; 0104 KACE 94.3 w/k Floresville, TX. 7/12 Es @ 1440 KWYK,
KCTB, KRSJ, KILQ & other NH/CO/AZ stations. 7/13 Es 4. TX 1321 to 1410 MUF KCOT.
7/15 Es 1815 to 1839 lots of FL MUF top. 7/15 Es 1105 to 1122 ZEM & ZFB both
Hamilton, Bermuda (1365). 7/21 Es 180C to 1850 Monterrey, NL (1190) strong & MUF
to the top. 7/28 Es 0931 to 1002 Hartford/Providence/Boston MUF BCN. 7/29 The
first Es I've EVAR seen on FM past 0050! @1115 to 0156 lots of MT. 0128 KIDX 98.5
Billings, MT (1140) w/kS. Again lots of MT/SD 1919 to 1949. One tip for you
translator hunters, the next time you hear KQIX give a look for K232AD 94.3 Roar-
ing Fork, CO. At 10,300 IAT this mugs a pest. Total is 1,884. 73, Andy

Neil Kazaross - 30 King Philip Rd. - Pawtucket, RI 02861

As this is my first report to Northern FM DX, I'll start with an introduction. I'm 21 and a junior at Union College in Schenectady, NY. I joined WTFDA in July. I've been doing TV DX for several years and I've done a little on FM. Pawtucket is not a good FM DX location so most of my DX is done in Narragansett, RI at the family summer home. Unfortunately, I don't have a good quality FM RX. Receiver is Sony portable TFM 7250W.

New underlined. Time EDT.

6/13 tr DXing from Pawtucket:

2030 WEXM 107.5 JA Exmore Orioles BB

2040 NYC & LI in well too.

7/8 tr DXing from Narragansett:

2040 WWRK 104.5 VA Norfolk

2048 WYFI 99.7 VA Norfolk g

The following DX is from Narragansett. I logged stations so fast I didn't write down the times. I was using a borrowed Panasonic RF 2200. Coastal tropo was excellent.

7/20 tr evening

WCWP 88.1 NY Brookville w/WNJR

WBGO 88.3 NJ Newark

WHTJ 106.3 NJ Eatontown

WVUC 88.7 NY Hempstead

WNYU 89.1 NY New York very strong

WCTO 94.3 NY Smithtown

"The Magic of Beautiful Music"

WSEA 93.5 LE Georgetown "Sea-93"

WSTW 93.7 DE Wilmington

WMMP 93.3 PA Philadelphia

WNYC 93.9 NY New York

WDSD 94.7 DE Dover

WUSL 98.9 PA Philadelphia

WPST 97.5 NJ Trenton

WEVD 97.9 NY New York

WGRF 99.3 NJ Pleasantville

The RF 2200 is definitely the most selective and sensitive FM portable I ever used. The whip antenna can give magnificent nulls when put in just the right location and position.

73 & good DX, Neil

Paul Mount - 471 Emerson Ave. - Teaneck, NJ 07666

Equipment: Sanyo FM/AM/ Stereo Cassette w/whip antenna.

6/30 tr 0957 WFPG 96.9 NJ Atlantic City m\$ 110

1000 WKHI 99.9 MD Ocean City good, but w/WEZN 194

7/9 tr 2115 WLNG 92.1 NY Sag Harbor r good, an indicator 143

2123 WSBH 95.3 NY Southampton r "new full \$ music FM" 85

2137 WRDR 104.9 NJ Egg Harbor City Phillies BB 100

2138 WLOM 104.7 MA Orleans weak 217

2145 WSNJ 107.7 NJ Bridgeton k 108

2155 unID 101.3 NBS, oldies

2200 WKDN 106.9 NJ Camden g 88

2205 WBGO 104.7 MD Ocean City m\$ moneter signal 194

2225 WSOKt 94.9 MA West Yarmouth Red Sox BB 202

2232 WSTW 93.7 DE Wilmington r poor 112

2242 WCTY 97.7 CT Norwich wx, "CTY" 102

2300 WOLG 102.5 MD Princess Anne g, mx 210

2316 WSLT 106.3 NJ Ocean City m "\$-106" 117

2321 WGH t 97.3 VA Newport News c, PSA for 306

2326 WWOV 94.3 NJ Avalon m 142

2335 WIDQ 102.1 PA Philadelphia rp\$ 89

7/10 tr 0235 WSEA 93.5 LE Georgetown r "Sea-93" 180

0245 WABC 99.9 MD Ocean City r, local-like 194

0245 WABC 99.9 CT Hartford 91

7/20 tr 0200 WABC 99.9 CT Hartford 91

0200 WABC 99.9 CT Hartford 91

0200 WABC 99.9 CT Hartford 91

0200 WABC 99.9 CT Hartford 91

0200 WABC 99.9 CT Hartford 91

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0200 WABC 99.9 CT Hartford 91

0200 WABC 99.9 CT Hartford 91

0200 WABC 99.9 CT Hartford 91

0200 WABC 99.9 CT Hartford 91

73, Paul

John Beling - 9209 Vincent Ave. So. - Bloomington, MN 55431
 equipment: Sherwood 2200 (20 years old) and/or Sony-150 from Procit, MN location.
 All stations new. Time is CST.

There has been a definite bar of Es this season, this report will catch up on the tropo reception at the summer cabin at Procit, MN. Had about four minutes of FM Es about noon on Aug. 4, but could catch no ID's. TV channels 3 & 4 were weak, I was dead--- can't understand the propagation this year!! Really odd.

1/2 tr 0900 K280A# 103.9 MN Hoyt Lakes (S of WAKX Duluth)
 4/21 tr 0100 CBQH 100.9 MN Dryden English, Fed by CBQ Thunder
 Say or CBW Winnipeg. CBQ gives calls;
 CBW does not. ODDI)
 7/10 tr 1200 KLOK 95.7 MN Morris
 1300 WLLX 95.9 MN Forest Lake
 7/11 tr 1015 KMHG 97.3 MN Benson
 1900 KRAD 105.9 MN E. Grand Forks
 2305 KIMC 106.5 MN Fairmont
 7/13 tr 1200 C* 102.7 MN Dryden French
 1455 CITI 92.1 MN Winnipeg r, ex-CKY-FM

Another of the Canadian repeaters which never seem to give the assigned call letters. Anyway, it's new and goes into the log as such until I can find what call is. Just looking back, I spent the entire week of July 7-15 at the cabin, looked for Es almost constantly, but never caught a thing. What a season. Hope to have a better August, but it certainly has not started out very well.

One note---during the descent of Skylab over the northern US, I checked both MN & TV for any unusual reception due to Skylab. Even tho it passed slightly north of the Minnesota northern border, I found nothing. Not even a short burst. 73. John

Ralph Strobel - 2510 E. McCalliard Rd. - Muncie, IN 47303
 equipment: Heath A3-1510, winegard antenna w/rotor at 60 ft.

This isn't much of a report as the month of July was dead here. August is picking up though. The relays listed are stations rarely heard in this area. Total: 789 with 185 in the Ed. band. Summer is CDT here.

7/28 tr 0530 WABQ 96.9 TN Bristol k\$ 325
 7/31 tr 0450 WTCO 103.9 KY Campbellsville s/on o/WXLN 100
 8/7 tr 0630 WBTO 93.5 IN Linton m mono o/W2WZ 125
 1000 WFWP 93.9 MO West Plains mrs 400
 8/8 tr 0300 WSM 95.9 TN Nashville r\$ o/WFMS 300
 0301 WWKX 104.5 TN Gallatin r\$ "Kicks-10+" 285
 0330 WZZZ 92.9 TN Nashville m\$ "93-2" 300
 0400 WDIQ 92.1 TN Hendersonville r\$ "92-Q-FM" 290
 0500 WIVK 107.7 TN Knoxville k\$ o/WIAO 300
 0643 WBNT 105.5 TN Oneida k mono 273
 0547 WSKZ 106.5 TN Chattanooga r\$ "K2-106-FM" 360
 8/12 M8 1339 WKYS 93.9 DC Washington r\$ 420
 1350 UNID 93.9 SS L ?
 1400 KTEL 93.9 KS Dodge City k (prev. by Es) 840
 tr 1700 WFWP 93.9 MO West Plains mrs 400
 8/13 tr 1300 WACS 99.9 NC Asheville m\$ "FM-99.9" o/WVUD 375

Once again, much thanks to Tom Yingling and Don Blevins for making the Baltimore Convention a fun-filled educational success. It was well worth the 600 mile drive. Thanks also, to all the reporters this month. See you all next month! 73. Ralph

SPECIAL OFFER

WTFDA HQ has a number of 1974 VUD's in stock, and here's your chance to add them to your collection at a very reasonable price. Any 10 1974 back issues except August (sold out) can be had for just \$3.00. Order today to complete your collection of VUD back issues.

WTFDA Headquarters - Post Office box 97 - Calumet City, Illinois 60409

TECHNICAL TOPICS



Q: "I can't understand why all the FM tuners in the most expensive price ranges don't have super selectivity specs. It seems as if there are some very expensive units with very poor alternate channel rejection on the market these days. Why is this?"

A: Selectivity is not the prime consideration in the design objectives of most FM tuner manufacturers--in fact, with many of them, it's not even near the top of the list! If all FM tuners were designed with DXing purposes, things would be different. It wouldn't be too hard for someone to produce a rig with very high selectivity, if selectivity was the only thing to worry about. However, up until fairly recently, the only cheap way to increase a tuner's selectivity meant that audio distortion would increase also. Audio distortion figures are much more important to the person who buys an FM tuner for high-fidelity listening purposes, and that's the person who manufacturers are designing their products for--in theory, at least. However, two things are working in the FM DXer's favor. First of all, as the growth of FM radio continues, the average listener is becoming more aware of all the stations he can tune in, not just his locals. Thus, more people are starting to listen to semi-local stations on FM, and are finding FM outlets in distant locations that they can tune in all the time, and play "their kind of music." The more stations people want to be able to tune in, the more selective their tuners will need to be--manufacturers will take notice. Secondly, there have been some recent technological breakthroughs, such as surface-wave integratable IF filters, which will make it economically feasible to mass-produce high selectivity/low distortion FM receivers. In the meantime, don't assume that the expense of an FM receiver is a good indication of its DX performance. Be sure to carefully compare specs before you buy. If the manufacturer won't let you know the complete specs, the receiver probably isn't even worthy of your consideration.

Q: "Is the capture ratio of an FM tuner really important to an FM DXer?"

A: Absolutely. The higher the capture ratio of a tuner (usually expressed in dB), the worse the receiver will be for DXing. The best receivers for FM DX will have capture ratio specs at 1.5 dB or lower. An FM tuner with a poor (ie: high) capture ratio will often suffer during E-skip openings. Es loggings are often subject to multipath distortion, and a tuner with a very low capture ratio figure will minimize this. Also, good capture ratio specs are important to all other forms of FM DXing. Capture ratio relates to the capture effect, which is the receiver's ability to "lock on" to the stronger of two signals operating on the same frequency.

Q: "Is it theoretically possible for a 10-watt FM station to be heard via E-skip?"

A: Yes, and there have been some loggings of 10-watters made by Es. Not all such low power FM outlets will get out equally well on E-skip. It all depends upon many factors, such as the kind of transmitting antenna the 10-watter is using. Since some 10-watters have higher ERPs (effective radiated powers) than others, they are more likely to be logged via Es. Also, a lot will depend upon FM band conditions. Of course, it will take a strong Es opening to bring in a 10-watter, but the channel has to be very clear in your local region, in order for you to even have a chance at hearing such relatively rare DX to begin with. Chances are that any Es opening strong enough to bring in a 10-watter on FM will also be quite a good opening, so consider yourself lucky if you can manage to hear the low-power station--it's likely to have a lot of co-channel 'competition' at the time.



KC FM NEWS

Bruce F. Elving, Editor
Adolph MN 55701

regret because of time pressures I cannot
answer correspondence!

New Station Grants

AZ Phoenix 89.9 100000 h.v., 1675' Spanish
CA Palm Springs 100.8 880 h.v. 840' rock
Champaign 90.1 400 watts, 390 feet
IL La Rye WMLA 92.7 3000 h.v., 300', k
LA Baton Rouge 107.3 10 h.v.; 6 LA State U.
MI Tawas City 103.8 3000 h.v.; 300' m
MT Glasgow 83.6 3000 h.v.; 29' m
MT Malta KMMR 100.1 3000 h.v.; 26' m
NJ Madison 88.9 10 watts, Draw L
NJ Union [Township] 80.6 10; Kean College
NC Weynesville 104.8 100 h.v., 1040'
OR Coos Bay 106.5 3000 h.v., 24', m
SC Charleston 80.9 10 Schools
TN Kingsport 80.3 10 Schools [School
TN Pikeville 81.3 100 450' Wheeler Elemen.
TX Corpus Christi 91.9 2400, 320' Sanidizy
Public Communications

TX Glimmer 95.3 1400 h.v., 420' m
TX San Angelo 82.9 100000 h.v., 600'
TX Snyder 101.7 3000 h.v., 230' m
VA Lynchburg WRVL 90.3 10 L Baptist Coll
VA Pound 102.3 100 h.v., 1150' m
WV Lewisburg 105.5 3000 h.v., 300', k
WVT Tunstun 101 20 watts CFWH relay

Deletions

CA Crescent City KVXJ 90.1
IL Belleville WBCF 90.1
PA Media 100.3 (back to app station line)
Deleted: The following had letters returned
to sender, and not known to the post office
CA La Canada KUMF 88.3 licensed to high
school, "moved, left no address"
IL Glenview WMMW 88.9 "Midwestern
Academy, marked "insufficient address."
OK Cimarron WNSD 90.1 Northwest Local
School Dist., 4850 Pook Road, marked
"out of business."
SD Aberdeen KASD 90.1 letter refused,
marked "station no longer operating."
(You have the chance to check on any of
these, please do and send us a report.)
Also check on WVUS FM 88.8, Winham
College, Putney VT, marked "out of business."
Stereo (\$)

A. Jacksonville WLJG 91.9
CA Arcata KASH 91.5
CA Sacramento KXPR 88.9
CA Stockton KSJC 88.5, Mute
CO Telluride KOTO 91.7
CT Middlefield WPHB 90.5
L Chicago WLWU 88.7, j
KY Campbellsville WTCO FM 103.8
KY Paintsville WSPR FM 88.8
LA Ruston KLPI 88.1
MN Collegeville KSJU 90.1, vertical? Heard on
a vertical antenna, but not conclusive
NY Albany WGBB 80.9
NY Schenectady WRUC 90.9
NY St. Bonaventura WBSB 98.3, j
OH Westerville WOBH 91.5
PA Grand WGAE 82.3
VA Williamsburg WCBW 89.1 (not 90.7) but
may have construction permit for 90.7
PA Greenville WTPG 85.1 p
PA Washington WJCR 98.3

Dolby Changes

(Adding t, unless indicated as dropping L.)
AK Anchorage KLLV 103.9, CA Los Angeles
KUSC 91.5, CA Pasadena KROQ FM 106.7
CA Sacramento KXDA FM 107.9, CA San Diego
KGS FM 101.5, CA San Jose KSJS 90.7 CA
Santa Monica KCRW 89.9 (stereo), CA Stanford
KZSU 80.1, CO Fort Collins K3CU 90.8, DC
Washington WFFW 89.3 and WETA FM 90.9
FL Panama City WKGC 90.7 10 Moscow
KUID 91.7, Egin WJLK 84.3, LA New
Orleans WWNO 89.9 and WTLN 91.5, ME
Portland WDCS 97.9, MA Boston WGBH 89.7,
MA Waltham WCRB 102.5, MI Ann Arbor WUDM
91.7 MI Detroit WDMC 104.3 and WMIU 103.5
no Dolby, NY Fulton WKFM 104.7 PA Hazlet
WTFI FM 89.5, TX Houston KPFT 90.1 WV
Buchanan WVPW 88.8, WV Huntington
WHPW 89.9 and WKFE FM 100.5

Facilities' Changes

AL Athens WZYP 104.3 100000 h.v. 700'
AZ Benson KAVY 97.7 300' 10000 h.v.
CA Eureka KPBJ 92.3 1540' 100000 h.v.
CA Fresno KFCF 88.1 2400 h.v. 1900'
CA Sacramento KAER 92.5 adds v
FL Jacksonville WQK 90.1 100000 h.v. 1570'
H Hilo KFHM 97.1-145 40000 h.v. 1420'
IL Mount Carmel WYER FM 94.9 50000 h.v.
IL Murphysboro WTAO 104.9 3000 h.v. 200'
IL River Grove WRRG 88.9 adds vertical
IL Rock Island WV K from 82.5 to 80.1,
50000 h.v., 500 feet [300']
IN Huntington WHLT FM 103.1 3000 h.v.
IN New Castle WMDH 102.5 50000 h.v. 500'
IA Des Moines KALA from 90.1 to 88.5,
100 watts, 48 feet
KY Beattyville LWLC 102.3 17000 h.v. 400'
MO Federalburg WOTO 107.1 2850 h.v. 320'
MA Springfield WMAF-FM 94.7 50000 h.v.
195
MI Potosky WMBH-FM 96.7 1150 h.v. 460'
MI Zeeland WZND 98.3 2000 h.v., 350'
MN Willmar KJIC 102.5 42000 h.v. 830'
MS Jackson WTXA 84.7 100000 h.v. 430'
NE Lincoln KUCV from 91.3 to 80.8,
18000, 180'
NE Norfolk KNEN 84.7 630' 100000 h.v.
NV Las Vegas KNPR 88.5 6000 h.v., 1670'
NJ KMS 101.8 90000 (in 141)
NY Flomington WCVH 80.5 39 h.v. 440'
NM Albuquerque KJJO 100.3 22500 h.v.
4110 ft
NY Poughkeepsie WQFS 99.9 10000 h.v. 1700'
NY Utica WTLB FM 107.3 drops vertical
NC Randleville WMMO 107.1 50000 h.v. 770'
ND Bismarck KYYY, not KYYY-FM 92.8
100000 h.v. 1100 feet
OH Alliance WFAH FM 82.5 18000 h.v. 500'
OH Cleveland WQAL 104.1 11000 h.v. 1080'
OH Sandusky WLEC FM 102.1 98000 h.v. 145'
OK Stillwater KCFM 93.9 10000 h.v. 260'
PA Milton WMPJ FM 100.9 3000 h.v. 115'
PA Philadelphia WWDG 96.5 17000 h.v. 970'
TN Lexington WL V FM 89.9 1000 h.v. 470'
UT Salt Lake City KSN 97.1 28000 h.v. 3740'
KCPX FM 98.7 25000 h.v. 2830'
WV Beckley WVPB 91.7 Do by no SCA
WV Milton WNST FM 106.3 120 h.v. 1230'
WI Milwaukee WMMH 95.9 170' 3000 h.v.

SCA (87 kHz) Activity

AL Mobile WKRG-FM 89.9 music
CA Los Angeles KRTH 101.1 +X
CA San Francisco KYA FM 81.3 +X
FL Fort Lauderdale WAXY 105.9 X (from MI)
GA Atlanta WATA 98.7 X (from music) no
on main channel
GA Buford WGOO 102.3 music
IL Chicago WFRY 103.5 1X
IN Indianapolis WFMS 95.5 1X
MA Boston WROR 98.5 1X
MN Mankato KYSM FM 103.5 music but no
longer Muzak
MN Worthington KWDA FM 95.1 no SCA
MS Hattiesburg WHSY FM 104.5 no SCA
MS Tupelo WLEO FM 98.5 music
NY New York WXL 98.7 +X IL DeKalb
OH Cincinnati WLGA 98.5 +X WDEK 92.5
OH Toledo WLOR 101.5 1X +X no SCA
PA Ephrata WIOV 105 music WFFE 95.3
PA Philadelphia WQVR 101.1 +X Winnebago
PA York WBSA-FM 103.3 1X 1 Mon.
TX Houston K. EF 94.5 1X
WV Buchanan WVPW 88.9 taking book
for the bind
NB Brandon CJCM 98.1 +Music
NonIders or Slogon Users
FL Miami WQBA-FM 107.5 Super-D, L, detro.
Physicians Radio Network on SCA
FL Tampa WJYW 100.7 Joy-101
IN Franklin WFM 95.9 FM-96
IN Portland WPGW-FM 100.9 PE-14, strict
IN Scottsboro WUPU 100.9 FM-101
IN Winchester WIPI 98.3 New-U (new owners)
A Cedar Falls KUNI 98.5 FM-91
IA Davenport K272AK FM-102
KS Newton KDEZ 92.3 FM-92
MI East Lansing WFMK 99.1 FM-95 (Z-96)
MI Grand Rapids WZRR 95.7 nonstandard (was)
MO Warrensburg KCMW 90.9 FM-91
OK Oklawaha W88.1 FM-88
OH Findlay WMMQ 100.5 Super Q
PA Meadville WZPR 100.3 Radio-15
PA Philadelphia WWSH 108.1 Wish
SC Charleston WXTX 98.8 Ecstasy
TX Corsicana KXDL 107.9 Country Fresh
NS Sydney CJCB-FM 94.8 Stereo 85; they do
not mention Sydney, only "Cape Breton" Island.
Call Letter Changes/Assignments
AZ Casa Grande 105.5 KSAA KBFE
AZ Chandler 107.9 KMIE KLRG
AZ Safford 94.1 KKKQ
CA Carr 89.5 KBES
CA Hayward 100.1 KQBA
CA San Rafael 88.1 KSRH
CA Ukiah 94.5 KWNE KLLJ
CA Yuba City 103.9 KXEF (KHXX)
IN Fort Wayne 101.7 WEEV (WDMX), m (from
net) "EZ 102"
KS Fort Scott 103.9 KZLW
KY Louisville 99.7 WKJJ-FM (WCNN) "KJ 100"
103.9 WXLN WFA-FM, g. XL 104
MI Charlotte 92.7 WMMO (WCEH-FM)
MS Hattiesburg 99.3 WEEZ
MS Meriden 101.3 WJGG (WQAL)
MS Tupelo 98.5 WZLD (WLEO-FM)
MS Planterswood 100.1 KATQ-FM (KPWO)
MS Carway 93.5 WMMW (WBNH-FM)

NC Lumberton 95.7 WESS (WTSB-FM)
 NC Mayock 92.1 WDOZ (WJLY)
 NC New Bern 101.9 WAZZ (WRBK)
 PA Mifflinburg 98.3 WWMG (WLLR)
 SC Orangeburg "81.9 WFCM"
 TX Killeen 93.3 KIXS-FM (KIXS-FM, AM has new call letters)

VA Winchester 92.5 WQUS (WRFL, "US2")
 WA Bismarck 106.9 KWWA (KBRG-FM)
 WA Spokane 105.7 KEZE-FM (KEZE-FM)
 WI Racine 100.7 WRKR-FM (WRKR-FM)
 QH St. Catharines 97.7 CQJR (CKTB-FM) k

Formats/Networks

AZ Scottsdale KOPA-FM 100.7 r (from m)
 AR Arkadelphia KSWH "91.1 jr
 AR Batesville KGED "88.1 r
 AR Fayetteville KJAF "88.9 U
 CA LaCanada KUNF "98.3 p (off air)
 CA Los Angeles KHTZ (87.1) no Dolby, "K Hits, r drops K, no NBC
 CA Modesto KQHS "90.5 mr
 CA Pacific Grove KAZB "90.3 c
 CA Palm Springs KPSH "88.3 m U
 CT Hamden WKC 10.3 r KC 101
 CT Hartford WJMJ "88.9 m (from mg)
 CT Westport WDF 107.1 p (from r)
 DE Hockessin WZZZ "88.7 r
 DE Newark WXR 91.3 p Y
 DE Wilmington WMPH "91.7 A
 DC Washington WASH 87.1 best called all r, not m

FL Mebourne WFTT "91.5 o
 FL Tallahassee WAMF "90.5 Z
 GA Macon WDEM-FM 105.1 u (from S)
 GA Savannah WHC "88.5 p
 GA Statesboro WVG "91.3 p
 ID Boise KBSU "101 "80.1 p
 ID Rayburg KR 91.1 Y
 IL Arlington Heights WFMV "88.3 m
 IL Bloomington WESN "88.1 S
 IL Chicago WNET 94.5 p
 IL Decatur WJMU "88.9 E
 IL Elmhurst WTPC "88.7 dc
 IL Hinsdale WHSD "88.5 Y (from E) claims to have 250 watts, but disbelieves

IN Carmel WHJE "91.3 p
 IN Elkhart WFRN 104.7 p (from gm)
 IN Fort Wayne WMEF "97.3 p "Magic 91"
 IN Indianapolis WJEL "89.1 Y
 IN Pendleton WEEM "91.7 p
 IN Terre Haute WVTB 100.7 p (from r)
 IA Grinnell KDC "88.5 Y
 IA West Des Moines KWDN "88.9 r

KY Fairmount WKHR 85.3 k (from r) S
 KY Somerset WSLC "90.7 r (was m)
 LA Metairie KNEW "91.7 p
 LA Shreveport KBC "91.3 p
 ME Biddeford WBSF "91.7 p
 ME Brewer WGLY-FM 100.9 r (not k)
 ME Bangor WJH "88.1 cp shares time with WSPH "88.1 Bangor

MD Broadneck Heights WZYQ-FM 103.9 rd, Q 104 (not Z 104)
 MA Acton WLAB "89.1 k, some cpm, folk, "Colonial Radio" Phone 877 263-9950
 MA Buxford WBMT "88.3 mr ON AIR heard only skip, 710 hz 19 feet
 MA Framingham WDJM "91.3 AP Audio
 MA Holyoke WCHC "89.5 p
 MA Springfield WTCC "90.7 Mutual

MA Waltham WZLY "91.5 r, AP Audio
 MI Adrian WVAC "88.1 no network
 MI Elsie WOES "91.3 cr
 MI Monroe WELJ "89.5 p
 MI Mount Pleasant WMMW "91.5 S
 MI Oak Park WOPH "90.3 r
 MI Ontonagon WQAS "88.5 m
 MN St. Paul KSAB "91.7 p
 MN KSTP-FM 94.5 m

MO Kansas City KLCJ "88.5 I
 NH Haverhill WNEC "91.7 A
 NH Keene WKNH "89.1 pk E
 NH Plymouth WPCR "91.7 Y
 NJ Lawrenceville WNRK "88.5 r
 NJ Lincoln WJLB "90.5 p
 NJ Ship Bottom WJZZ 100.1 r (not m)
 NJ Trenton WBJH 101.5 r (oldies-was m)
 NY Alfred WALF "89.7 I
 NY Brockport WBKT "90.5 r, I
 NY Elmira WECW "88.1 p, A
 NY Glens Falls WGR "91.9 p
 NY Hauppauge WJSL "90.3 rg
 NY Oneonta WRHO "89.5 U
 NY WONY "90.9 U

NY Plattsburgh WPLT "91.1 p
 NY Poughkeepsie WSPK 104.7 r
 NY Solus WSSS "89.5 r
 NY Syracuse WOHQ 107.9 m (from c)
 NY Valhalla WARY "88.5 pr
 NC Bridgeton WSPH 106.5 d (from d), "Electric FM"

NC Charlotte WFAE "90.7 c, P
 NC Durham WDAV "89.9 A
 NC Fayetteville WFSW "88.1 p
 NC Rockingham WASH "91.1 m
 QH Celina WKK 94.3 p (from k) no longer using K 94 and ID LET us know when stations in your area STOP using them

OH Celina WCSM-FM 96.7 r (from rm), no longer IDing as Celina-St. Mary's Ch.
 OH Cleveland WSLW "91.1 A
 OH Findlay WLCF "88.3 r
 OH Middletown WPSF 105.9 dg
 OH New Concord WMCQ "90.7 r (from c)
 OH Salem WSDM-FM 105.1 mk
 OH Springfield WUSO "88.1 p A
 OH Toledo WMEH 92.5 r (from disco)
 OR Central Point KCHC "91.7 r
 OR Corvallis KBVR "80.1 p (from c)
 PA Chester WGNR "5 89.5 p
 PA Jersey Shore WYBT 97.7 p Y 98.8
 PA Marshfield WNTB "89.5 r
 PA Meadville WARC "90.3 I
 PA New Wilmington WKPS "88.9 r
 PA Red Lion WGBS-FM 96.1 k
 PA Westminister WCD "89.3 I

PA Columbia WUCF "91.9 pc
 SC Greenville WFBC-FM 93.7 A (from M)
 SD Sioux Falls KAIR "89.1 f
 TN Chattanooga WDDD-FM 96.5 mg (from country and gospel music), WSKZ 106.5 p
 TN Gatlinburg WYCP "88.3 c
 TN Knoxville WBIH-FM 103.5 r (from k)
 UT St. George KRDC "89.1 r
 VT Vermont KULB "88.1 m, Stereo
 VT Plainfield WGRD "91.1 r
 VT Randolph Center WYTC "90.7 r
 VA Norfolk WDM 102.9 d, "Winnie 103"
 VA Woodbridge-Alexandria WXXA 105.9 Y (from E) "Country 106"

WA Centralia KCED "91.3 r
 WV Bethany WVBC "90.1 U
 WV Elkins WCOE "90.3 p
 WV Parkersburg WIBZ 99.3 A (not Y)

WV Philips WQAB "91.3 r
 WV St. Albans WKLC-FM 105.1 p (from k) "Allum Rock 105"
 WV Shepherdstown WSHC "88.7 r
 WV Wheeling WPHP "91.9 r
 WI Beloit WBCR "88.1 Mutual
 WI River Falls WRFS "88.7 pc
 WI Wausau WCCX "88.1 (may go to 104.5)

PR Arrecibo WGMN-FM 107.3 r, "Hits of the Moment" (translated) Delta 107"
 PR Bayamon WGSX 94.7 r 95-X "stereo"



NS Halifax CBO 100.1 r (from m, still "C-100")
 NS Sydney CBI-FM 105.9 c
 ON Hamilton CFMU 93.3 r
 PE Charlottetown CBC-FM 96.8 c, stereo?
 Gives full legal ID!

Abbreviations

c classical, d disco, e ethnic, g gospel, jazz, j country, latin (Spanish), m middle of the road (no rock), n all news, p progressive rock, r rock, s soul, Networks A ABC-FM, where ABC stands for American Broadcasting Company, C Columbia - Broadcasting System, E ABC Entertainment, I ABC Information, M Mutual National Broadcasting Company, P National Public Radio, S Associated Press Audio, J is United Press Audio, Y ABC (contemporary, Z Mutual Black Network. SCA symbols, following Y are M music, X teletype or audible teletype, or digital data transmissions. S is stereo, H is horizontal effective radiated power in watts and V is vertical or circular effective radiated power in watts of a frequency modulated radio station. SCA stands for "Subsidiary Communications Authorization," and usually at 87 kHz from an FM station's carrier of channel.

WKOC "88.3 Kankakee I tells me they are on 9pm to 8pm Sundays, 4pm to midnight Mon-Fri, and 4pm to 10pm Saturdays, effective Sept. 9 1979. Fine, according to an article sent by Dr. Richard Wood, damaged extensively the building housing KXCV (FM) "90.5 Maryville MO Not known if KXCV is off the air or not. An SCA customer in PA writes "The SCA is very pleasant to hear. Your installation of the adapter is professional in every respect."

WCLK "91.9 Atlanta asking donations to help increase to 2500 watts. Nick Lombardi says it would be good to have an appeal in the YUD to supply information on the SCA activity of the 400 or so FM-SCA stations for which we have (or had) no information.

CONTRIBUTORS L. Boehl NE P. Boerner M. R. Clark WJ 3 Combs FL J. Ebeling MN J. "Frog" N. P. Givner M. S. Hancock OH D. Hanson IN, H. Hayes PA, C. Ingram PA, A. Lobel CA, N. Lombardi GA, M. Long, Digital Bystro, Carol VA, B. Lovett OH, L. McKinney PA, C. Monti NY R. Moorman PA, H. Paulson J. NE (who sent article on Opticon Project for FM SCA), P. Patelsky MA (who sent a picture of W269 AM, MN transmitter but the picture is not clear enough to print in YUD), J. P. Parker VA 5 Remington CA J. Robertson MI R. Schaef FL E. Scott NY A. Smith MD R. Strimbold R. Sullivan MA J. Tominson CA L. Wall MA R. Woodard MO R. Zisi IN Zorillo N

September, 1979

Feature

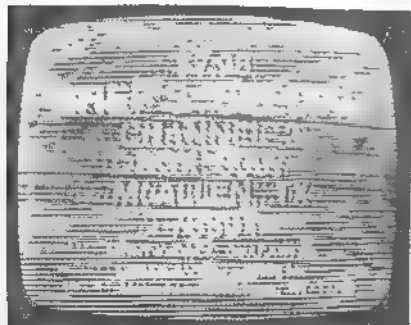


This month, PHOTO-NEWS travels to Baltimore, MD for a look at the antenna system of none other than '79 convention co-host Tom Yingling. At the left is Tom's Finco 5' dish for UHF-TV, mounted at 50'. Below the dish are first an 11-element UHF police band antenna; then a Blonder-Tongue CMA-4b JHF amp; and at the bottom, a Lafayette 36-element log periodic for VHF TV. Not visible in the photo is a ground plane for highband VHF police radio, mounted just above the 5' dish. All this is turned by an RCA model 10W707 rotor, and mounted atop a 5' tripod.

In the next photo are for FM a Channel Master Stereo Probe 9 at 40', and below it a 3 element yagi for highband police radio. These are also mounted on a 5' tripod tower, and are turned by a CoE AR-33 rotor.

My thanks to Tom Yingling for this month's feature, and to Tom and Don Blevins for their efforts on making this year's WTPUA convention a success.

If you haven't yet sent in photos of yourself and/or the equipment you use for VHF/JHF DXing, send some in soon! We'd like to run such photos more often!



XHRIO-2 Matamoros, TAMS Mexico
995 mile E skip (John Combs, Orlando FL)
(Note: this station is a new Mexican
that operates in English and shows the
above McAllen, TX address! -ija)



WMTV-15 Madison, WI
305 mile tropo (Paul Gaines, Detroit MI,

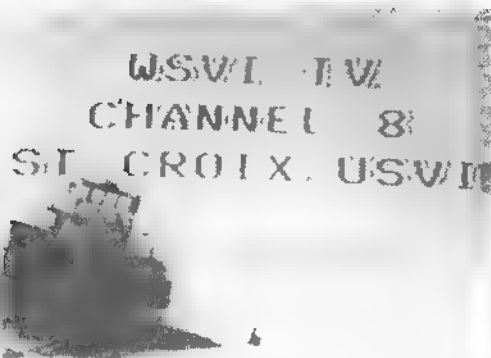
This month: Virgin Islands TV via 425 mile tropo, and more!



CHNB- 4 North Bay, ON
1,215 mile E-skip (Combs)



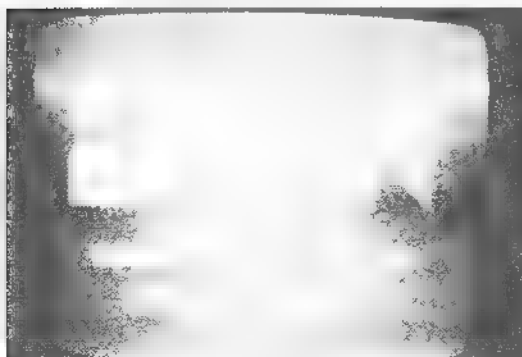
KVCN- 5 Cheyenne, WY
1,090 mile E-skip (Gaines)



WSVI- 8 St. Croix, US Virgin Islands
425 mile tropo (Clark)



WDCO-15 Cochran, GA
295 mile tropo (Combs)



WVIR-29 Charlottesville, VA
300 mile tropo
6/17, 79, 0100 EPI (Levitt)

This month's column marks the beginning of PHOTO-NEWS' 6th year. Your editor would like to thank all those who have contributed to the column during its first 5 years.

Contributors:

John Combs,
Orlando, FL

Paul Gaines,
Detroit, MI

Richard Clark,
Santo Domingo, Dominican Rep.

Scott Levitt,
South Plainfield, NJ

73 and good DX, *Jim*

WDC TV NEWS

John F. Combs
2485 Ivan Ct.
Orlando, FL 32807

September 1979

NEW STATION ON AIR

PA Greensburg WPCB-40+ 4-12-79??

STATIONS TEMPORARILY OFF-AIR

NC Asheville WANC 21: 7 24 until 10 22

SC Anderson WAIM 40: 7 19 until 10 17

(Reason for these hiatuses is unknown)

CONSTRUCTION PERMITS GRANTED

AL Gadsden Ch. 44+ 759 kw 1010* AAT

LA Lafayette Ch. 15 182 kw 210* AAT

(Perhaps to pick up NBC like old KLNH?)

CHANGES GRANTED IN PERMITTING STATIONS

IN Ft. Wayne WPTA 21 to 562,740 (178,760)

NY Albany WAST 13 to 178,1180 (170,1210)

APPLICATIONS FOR NEW STATIONS (*non comm.)

CA Stockton Ch. 64 1256 kw 1017* AAT

HI Honolulu Ch. 20+ 284 kw 75* AAT

IN Evansville Ch. 34 1314 kw 970* AAT

IN Terre Haute Ch. 26 1520 kw 475 AAT

KY Somerset Ch. 16 540 kw 640* AAT

LA Houma Ch. 11 316 kw 470* AAT

NE Omaha Ch. 42+ 806 kw 1015* AAT

NC Fayetteville Ch. 40+ 727 kw 349* AAT

NC Greensboro Ch. 48- 1109 kw 1695* AAT

NC Greensboro Ch. 48- 1000 kw 1696* AAT

OH Canton Ch. 67 70 kw 292* AAT

OR Eugene Ch. 16+ 2052 kw 2424* AAT

OR Eugene Ch. 16+ 1855 kw 1685* AAT

VA Springfield Ch. 16+ 1450 kw 1520* AAT

(Eugene allocation)

TX Corp. Christi Ch. 38+ 3120 kw 763* AAT

WI Tomah Ch. 43+ 180 kw 720* AAT

CALL LETTERS ASSIGNED

PA Reading Ch. 51+ WTVF

TX Amarillo Ch. 14+ KJTV

TX Harlingen Ch. 60+ K2LN (ETV)

CHANGES IN CALL LETTERS

MS Tupelo WTVF 9 (ex-WTVF)

NJ Newark WHT-68 (ex-WTVG)

TX Lubbock KAMC 28 (ex-KMCC)

CHANGE IN ALLOCATION TABLE

CA Ryehton AND CH 12- ET

CA Warm Springs delete same

SELECTED TRANSLATOR (CONSTRUCTION PERMIT)

CA Canyon Dam K67RS (KTXL 40) 100

FL Big Pine W36AA (WPBT-2) 100

W47AC (WTVJ-4) 100

W55AN (WCIX-6) 100

W77AM (WCKT-7) 100

W68AK (WPLG-10) 100

FL Key West W31AB (WPBT-2) 100

W35AC (WTVJ-4) 100

W44AC (WCIX-6) 100

W49AE (WCKT-7) 100

W66AN (WPLG-10) 100

FL Marathon W38AB (WPBT-2) 100

W38AA (WTVJ-4) 100

W63AL (WCIX-6) 100

W65AB (WCKT-7) 100

W68AI (WPLG-10) 100

FL Matecumbe

W32AB (WPBT-2) 100

W35AC (WTVJ-4) 100

W40AB (WCIX-6) 100

W43AJ (WCKT-7) 100

W59AJ (WPLG-10) 100

W56AZ (WPBT-2) 100

W61AI (WTVJ-4) 100

W64AN (WCIX-6) 100

W67AF (WCKT-7) 100

W69AS (WPLG-10) 100

W66AM (WKHA-35) 10

W57AJ (WKMA-35) 10

W67AN (WKHA-35) 10

W55AL (WKSO-29) 100

W67AO (WABO-12) 20

W63BK (WDSE-8) 100

W58BY (WHT-13) 100

K57BK (KULH-3) 100

W19AE (WUNH-25) 100

W27AC (WBGU-57) 1000

K50AY (KMET-12) 100

K58AX (KMET-12) 100

K16AB (KMET-12) 1000

SELECTED TRANSLATOR APPLICATIONS

DC Washington Ch. 56 (KREX-41) 1000

FL Ft. Pierce Ch. 21 (WTOG-44) 1000

FL Ocala Ch. 29 (WTOG-44) 1000

IA Fenton Ch. 56 (WHO-13) 20

MI Detroit Ch. 68 (KWEH-41) 1000

MN Alexandria Ch. 24 (KST-5) 1000

(Supersedes previous Ch. 34 application)

Wn Wadena Ch. 20 (KSTP-5) 1000

NJ N. Bergen Cty. Ch. 28 (WHT-68) 100

TX Dallas Ch. 55 (KWEH-41) 1000

WI Eau Claire Ch. 55 (KSTP-5) 100

WI Ladysmith Ch. 36 (KSTP-5) 100

WI Rice Lake Ch. 59 (KSTP-5) 100

WI Spooner Ch. 57 (KSTP-5) 100

(These are actually satellite feeds of SIN--

viously not direct off-air pick-ups)

STATE OF THE INDUSTRY (drawn roll please...)

Commercial: 515 VHF

211 UHF

Non-comm.: 109 VHF

167 UHF 276

TOTAL C.-AIR: 1002

(plus 78 CPs and 260 applications)

Translators: 2398 VHF

1207 UHF

Total: 3605

5 pages of CANADIAN
info follow →

EDITOR'S NOTES: I have had no time to scan the latest issues of Broadcasting, but this column will be long enough without that information! Also take note of the new format of the column. I hope that it is more functional as well as attractive. It is arranged so that any particular states of interest can be located almost immediately.

SPECIAL HONORS this month go to 2 readers who went "above and beyond the call of duty."

In answer to my complaint About Lacking March issues of Broadcasting, Greg Monti researched the issues and sent a 2-page capsulized version of its contents. Paul Petosky, who recently took the job of General Manager at WIDG (AM) in St. Ignace MI, mailed me 2 of the March issues!

Alberta

Cowley	new Ch 27	10w	ex CBRT-8 (47) Burmis
Cushaw	new Ch 34	1w	ex CBRT (9) Calgary
Ft. McMurray	new Ch 12	EXST-6 5.8kw 200	ex CBRT (11) Edmonton
Grande-Prairie	new Ch 10	3.3kw	" " " " " "
Les La Biche	new Ch 22	6kw	" " " " " "
Loughheed	new Ch 7	CERN-7 5kw	ex CERN (3) Edmonton

Applications:

Penneyville	new Ch 7	10w	ex CMTL (4) Lloydminster
Outs			
Milk River	new Ch 4	420w	ex CBRT (9) Calgary
Piawenden	new Ch 8	9.33w	ex CBXT (5) Edmonton

British Columbia

Blue River	CFJC-TV-13	changes from Ch 3 to 11 and power from 5 to 10w.	
Cawston	CHKC-TV-3	changes from Ch 3 to 13 and power from 5 to 8.9w.	
Dawson Creek	new Ch 33	470w	ex CBUT (26) Vancouver
Felkland	new Ch 12	5w	ex CHKL (5) Kelowna
Fort Fraser	new Ch 6	35w	ex CKPG (2) Prince George replaces CKPG-3 (6)
Granisle	new Ch 7	10w	ex CIFG (12) Prince George
Harrison Hot Springs	new Ch 13	10w	ex CBUT (2) Vancouver
Kamloops	new Ch 50	1.5kw	ex CBUT (26) Vancouver
Kermeos	CHKC-TV-4 (9) Deleted		
Kermeos	CHKC-TV-1 from Ch 4 to 9.		
Olella	CHKC-TV-2 from Ch 11 to 6		
Olella	CHKC-TV-5 changes from Ch 6 to 11 and power from 5 to 8.9w.		
San Josef	new Ch 13	1w	ex CBUT (2) Vancouver
Topley Landing	new Ch 11	10w	ex CIFG (12) Prince George
Vancouver	CBUT (2) power to 50kw		
Vanderhoof	new Ch 18	10w	ex CKPG (2) Prince George
Vavenby	new Ch 13	10w	ex CFJC (4) Kamloops
Victoria	CBUT (10) 160kw: Despite completion of the studio building and transmitter, the CBC has decided to surrender the licence for this station due to the extraordinary increase in the cost of equipping the studio and operating the station in the face of the government funding freeze. The station would have essentially duplicated the service of CBUT (2) Vancouver, already received in Victoria, except for a few hours of local programming a week. Western Access, owners of CKVU (21) Vancouver and original applicants for the Ch 10 frequency (in Vancouver), have indicated that they will apply for a licence to operate on Ch 10 in Victoria as a full time CBC outlet. This would give them two outlets in essentially the same market, the same as BC TV.		

Applications:

Chetwynd	new Ch 7	10w	ex CJDC (5) Dawson Creek
Dawson Creek	new Ch 10	10w	ex CERN (3) Edmonton AT
Fort St. James	new Ch 7	5w	ex CKPG (2) Prince George
Naden Harbour	new Ch 10	1w	ex CFTK (3) Terrace
Narrows Inlet	new Ch 10	1w	ex CHKK (6) Victoria
Pitt River	new Ch 10	1w	" " " " " "
Pouce Coupé	new Ch 8	10w	ex CJDC (5) Dawson Creek
River Jordan	new Ch 18	20w	ex CBUT (10) Victoria
Silver River	new Ch 7	1w	ex CBUT (2) Vancouver
Taylor	new Ch 7	10w	ex CJDC (5) Dawson Creek
Wakeman Sound	new Ch 0	1w	ex CBUT (2) Vancouver
Wakeman Sound	new Ch 7	1w	ex CHAN (9) Vancouver

Manitoba

SEPTEMBER 1979

Brandon new Ch 21 CBWFT-10 5.5kw ex CBWFT (3) Winnipeg
 Foxwarren CKY-TV-1 (11) power from 6.6kw to 46.8kw.
 Minnedosa new Ch 2 Denied 100kw ex CKND (9) Winnipeg

Applications:

Mafeking CBWFT (2) wishes to introduce local programming from the studios of Western Manitoba Broadcasting in Dauphin

New Brunswick

Edmaston CBAPT-2 (13), formerly CBER-TV-1 power from 1.43kw to 8.5kw.

Applications:

Nequae CBAPT-3 (3) power from 550w to 45w.

Newfoundland

Ferryland new Ch 4 9.9w ex CBNT (8) St. John's
 Petty Harbour new Ch 13 2.7w ex CBNT (8) St. John's
 St. John's new Ch 12 Deferred 60w " " " " "
 St. John's new Ch 4 Deferred 43w ex SRC via Anik
 The CBC wishes a study conducted to see if this relatively small city can be served without requiring so many transmitters. This has been going on for quite a while -- see Canadian News VUD May 77 page 34.

Nova Scotia

Bay St. Lawrence new Ch 13 9.9w ex CBIT (5) Sydney
 Digby new Ch 52 6kw ex CBET (3) Halifax
 Digby new Ch 58 6kw ex CBAPT (11) Moncton NB
 Dingwall new Ch 12 9.9w ex CBIT (5) Sydney
 Halifax new Ch 20 Denied to ATV
 Ingonish new Ch 2 8.9w ex CBIT (5) Sydney
 Middleton new Ch 9 17.2kw ex CBET (3) Halifax
 Middleton new Ch 46 120 kw ex CBAPT (11) Moncton NB
 Port Hawkesbury new Ch 3 5.6kw ex CJCE (4) Sydney
 Shelburne CBHT-2 changes from Ch 9 to 7 power from 423w to 8.4kw
 Sydney CBIT (5) power to 61kw
 Turo new Ch 12 9.4w ex CJCH (5) Halifax
 Valley new Ch 12 9.4w " " " "
 Yarmouth CJCH-TV-7 changes from Ch 13 to 40 power from 5w to 12kw

Northwest Territories

Tungsten new Ch 10 1w ex CBC Anik

Ontario

Armstrong new Ch 10 1w ex CKPH (2) Thunder Bay
 Armstrong new Ch 13 8.4w ex CBED (4) Thunder Bay
 Atikokan* new Ch 13 Denied 9.4w QTV network
 Atikokan* new Ch 4 Denied 5w Brough tapes
 Atikokan* new Ch 11 Denied 10 w Northern lights tapes
 Garamet* new Ch 4 5w Brough tapes
 Garamet* new Ch 4 3.5w TVO tape delay
 Chapleau new Ch 13 4.87w ex CBIFT (25) Toronto
 Chapleau* new Ch 3 Denied 5w Brough tapes
 Cochenour* new Ch 11 Denied 10w Northern Lights tapes
 Cochenour* new Ch 3 Denied 5w Brough tapes
 Dryden* new Ch 4 2.4w QTV network
 Dryden* new Ch 4 Denied 100w QTV network
 Dryden* new Ch 4 Denied 40w Brough tapes
 Dryden* new Ch 11 Denied 10w Northern Lights tapes
 Dubreaultville new Ch 7 10w ex CBIFT (25) Toronto

War Falls*	new Ch 7	9.4w	CTV network
War Falls*	new Ch 14 <u>Denied</u>	10w	CTV network
War Falls*	new Ch 4 <u>Denied</u>	5w	Brough tapes
War Falls*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
War Falls	new Ch 6 <u>Denied</u>	10w	TVO tape delay
Ft. Frances*	new Ch 4	9.4w	CTV network
Ft. Frances*	new Ch 25 <u>Denied</u>	100w	CTV network
Ft. Frances*	new Ch 4 <u>Denied</u>	5w	Brough tapes
Ft. Frances*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Geraldton*	new Ch 6 <u>Denied</u>	5w	Brough tapes
Geraldton*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Forne Payne*	new Ch 4 <u>Denied</u>	1w	Brough tapes
Forne Payne*	new Ch 8	9.4w	CTV network
Ignace*	new Ch 14 <u>Denied</u>	10w	CTV network
Ignace*	new Ch 4 <u>Denied</u>	5w	Brough tapes
Ignace*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Ignace*	new Ch 6 <u>Denied</u>	10w	TVO tape delay
Kenora*	new Ch 13	17.3w	CTV network
Kenora*	new Ch 21 <u>Denied</u>	100w	CTV network
Kenora*	new Ch 4 <u>Denied</u>	50w	Brough tapes
Kenora*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Ionias*	new Ch 4	5w	Brough tapes
Ionias*	new Ch 11	10w	Northern Lights tapes
Ionias*	new Ch 4	10w	Tape delay
Ionias*	new Ch 6	10w	Tape delay
Manitouawadge	new Ch 3 <u>Denied</u>	5w	Brough tapes
Marathon*	new Ch 8 <u>Denied</u>	5w	Brough tapes
Mattabi Mines*	new Ch 4	5w	Brough tapes
Mattabi Mines*	new Ch 11	10w	Northern Lights tapes
Moosonee*	new Ch 4	5w	Brough tapes
Moosonee*	new Ch 11	10w	Northern Lights tapes
Nakina*	new Ch 4	5w	Brough tapes
Nakina*	new Ch 11	10w	Northern Lights tapes
Nakina*	new Ch 4	10w	TVO tape delay
Nakina*	new Ch 6	10w	French tape delay
Pickle Lake*	new Ch 4	5w	Brough tapes
Pickle Lake*	new Ch 11	10w	Northern Lights tapes
Pickle Lake*	new Ch 4	5w	Tape delay
Rainy River*	new Ch 4	5w	Brough tapes
Red Lake	new Ch 12	9.4w	CTV network
Red Lake	new Ch 7 <u>Denied</u>	100w	CTV network
Sault Ste Marie	new Ch 26	1.2kw	ex CELFT (25) Toronto
Schreiber*	new Ch 6 <u>Denied</u>	5w	Brough tapes
Sioux Lookout*	new Ch 7	9.4w	CTV network
Sioux Lookout*			
Hudson*	new Ch 3 <u>Denied</u>	9.4w	CTV network
Sioux Lookout*	new Ch 4 <u>Denied</u>	5w	Brough tapes
Sioux Lookout*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Sioux Lookout*	new Ch 6 <u>Denied</u>	10w	TVO tape delay
South Bay Mine*	new Ch 4	5w	Brough tapes
South Bay Mine*	new Ch 11	10w	Northern Lights tapes
South Bay Mine (Township of Dent)*			
Terrace Bay*	new Ch 4 <u>Denied</u>	1w	Tape delay
Terrace Bay*	new Ch 11 <u>Denied</u>	5w	Brough tapes
Thunder Bay	new Ch ?	10w	Northern Lights tapes
Timagami	new Ch 15	14.2kw	ex CELFT (25) Toronto
Wawa	new Ch 16	7kw	ex CPNE-TV (4) North Bay
Wawa*	new Ch 4 <u>Denied</u>	5w	ex CELFT (25) Toronto
Wawa*	new Ch 11 <u>Denied</u>	5w	Brough tapes
Wawa*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Wawa*	new Ch 4 <u>Denied</u>	1w	Tape delay
Wawa*	new Ch 4 <u>Denied</u>	5w	Brough tapes

* The CRTC issued new guidelines for low power stations in remote regions, slightly easing the rules governing these stations. The stations are allowed where there has no TV or only a low power station. The transmitters carrying the CTV network there have no effect on the type of operation in those towns. If local ownership and operation were available, licences would be granted to Ignace, Nakina, Pickle Lake, South Bay Mine, Marathon, Mattabi Mines, Moosonee and Rainy River. If local ownership were not available, consideration (cont)

would be given to the applications from David Froush, Northern Lights and some others. (The bids for TVO tape delay stations were private.) Froush would be considered for Longlac, Nakina, Pickle Lake, South Bay Mines, Garamat, Mattabi Mines, Wonsonee and Rainy River. Northern Lights for Longlac, Nakina, Pickle Lake, South Bay Mines, Wonsonee, Mattabi Mines and other applicants for Longlac, Nakina, Pickle Lake, South Bay (Township of Dunt) and Garamat. It should be noted, however, that David Froush, at least, already has stations on the air and he has indicated that he intends to continue operation. The applications for his transmitters may, in fact, represent stations now on the air. See FCC News in the JPD for Sept 78 p. 3.

Applications:

Atikokan	CFTMT-1 (7) power from 544w to 3.9kw
Fereldton	new Ch 7 2.3kw ex CBMT (2) Toronto
Manitouowadge	new Ch 15 9.9kw " " " "
Toronto	CFTMT-TV seeks change from Ch 45 to 47 and power increase from 104.5kw to 807kw on the TV power.

Prince Edward Island

Charlottetown	new Ch 31	91kw	ex CBMT (11) Moncton
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Quebec

Campement Duplan- tier II V	new Ch 9	10w	ex SRC via Anik
Campement Goullette*	new Ch 12	10w	" " " "
Camp Laveren- dray*	new Ch 10	10w	" " " "
Camp Nemiskau*	new Ch 10	10w	" " " "
Deception Bay (Asbestos Hill)	new Ch 13	8.0w	ex CBC via Anik
Gros Morne	new Ch 4	10w	ex CBMT (6) Matane
Hull	CHVO (30)	power to 715.3kw	
Hull	CHOT (40)	power to 275.1kw	(TVA network)
Île de la Ma- delaine	CBMT (12)	power from 1.48kw to 2.9kw	
La Goullette	new Ch 10	62w	ex CBMT (6) Montreal
Lithium Mines	new Ch ? CFTMT-TV-1		ex CFTMT (?) Rouyn- Noranda (?) TVA net
Manouane	new Ch 5	10w	ex SRC via Anik
Marsoui	new Ch 12	10w	ex CBMT (6) Matane
Otedjiwan	new Ch 10	10w	ex SRC via Anik
Rivière St Paul	new Ch 11	23w	ex CBMT (6) Montreal
Rouyn/Noranda	new Ch ? CFTMT-TV		TVA Network
Waymont	new Ch 6	10w	ex SRC via Anik



Applications:

Briassay Camp*	CHLG-TV-4	change from Ch 4 to Ch 12 and power from 110w to 10w
Campement LG4*	CHLG-TV-1	change from Ch 5 to Ch 6 and power from 128w to 53w
Chibougamou Camp Miraz*	new Ch 4	230w ex CBMT (6) Montreal
(near Camp LG3)	new Ch 12	10w ex SRC via Anik
Pontange Camp*	CH13-TV-7	change from Ch 2 to Ch 12 and power from 100w to 10w
Fort St. George	new Ch 12	10w ex CBMT (6) Montreal
Jonquière	CHRS-TV (12)	power to 161kw
Mistassini Station	new Ch 9	10w ex CBMT (2) Montreal
Mistassini Station	new Ch 12	10w ex CBMT (6) Montreal
Mirdochville	new Ch 21	10w " " " " "
Nojvear Comptoir	new Ch 12	10w " " " " "
Trois Pistoles	new Ch 8	10w ex CFTMT-TV (9) Rivière du Loup

* Construction camps at the James Bay hydro-power project

SEPTEMBER 1979

Fallasenda	new Ch 26	11.4kw	416'x	CEWFT (3) Winnipeg MB
Express Hills	new Ch 2	2.3kw	305'x	CEWFT (5) Swift
				Current
Debden	new Ch 22	2.9kw	310'x	CEWFT (3) Winnipeg MB
Fort Qu'Appelle	CEWFT-3 changes from Ch 5 to Ch 4 and power from 5 w to 8.9w			
Moose Jaw	new Ch 16	6kw	ex	CEWFT (3) Winnipeg MB
Pantlax	new Ch 3	10.5kw	650'x	CEWFT (5) Swift
				Current
St. Eriax	new Ch 7 CEWFT-4	1.4kw	185'x	CEWFT (3) Winnipeg MB
Southend	new Ch 13	36w	ex	CEKST (11) Saskatoon
Willow Bunch	new Ch 21	9kw	ex	CEWFT (3) Winnipeg MB
Yorkton	CEKOS-TV (3) power to 14kw			
Zenon Park	new Ch 21 CEKFT-5	3kw	310'x	CEWFT (3) Winnipeg MB

Applications:

Davidson	new Ch 14	11.4kw	ex CERT (9) Regina (Withdrawn)
Gravelbourg	new Ch 45	19kw	ex CERT (9) Regina
Gravelbourg	CERT-6 power from 20.9kw	to 19kw	615
Marango	new Ch 15	12.8kw	ex CERT (11) Saskatoon

Yukon Territory

Clinton Creek CEDCT (8) deleted*

Applications:

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Keno Hill      new Ch 5      5w      ex GERT (13) Keno Hill
Miles Ridge    new Ch 12     10w     ex GERT (7) Beaver Creek

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* In this case when the mine closed, the town was dismantled including a bridge into the place and shipped out so that nothing now remains.

PROPOSED CANADIAN UHF TV PLAN

[illegible]

THE CANADIAN INFO on the preceding pages covers early September 1978 to about the end of June 1979. We still have a gap of info from April 1 to September 1, 1978, but Walter will try to locate the missing information when possible. Thanks again, Walter!

REVY OF NEW TRANSLATORS is cropping up, especially in Florida, where CJs were issued for 27 new low watt translators all through the keys. The two WTOG 44 a translation for Kral watt translators may simply be the first of many such applications. WTOG 44, don't forget, is owned by Hubbard Broadcasting, who are also owners of KSTP-5 and it's numerous translator applications. Also, the low watt Spanish International Network is planning to use many translators to provide Spanish language service in areas where none currently exists.

CNN IN KNOXVILLE concerning the three local commercial stations: WFTV-6 has been moved away from its longstanding affiliation with ABC and has signed with ABC. That much we already know. However, ABC has its eyes not on ABC reject WTVL-26, but on current CBS affiliate WBIR-10. The idea of taking in NBC is attractive to WBIR-10 in light of the 1980 Olympics. WBIR-6's contract with NBC expires on October 1; however, all three stations would like to have their affiliations settled at least three weeks sooner to avoid viewer confusion that would result from the changes taking place 3 weeks into the new TV season!

OTHER ABC NEWS: The network switch between WTHR 13 and WRTV-6, both Indianapolis, took place in June 1.....new WMDT 47 Salisbury MD (Not on yet) has affiliated with ABC.

KTAR-12 ON CHANNEL 27! Well, that's how an UNID logging might read if you're not careful. On July 29 from 2000-2300 EDT, ABC re-ran the movie "Fire in the Sky", about a renegade comet that destroys Phoenix before your very eyes. The movie is one long plug for Phoenix affiliate KTAR 12! Elizabeth Ashley plays an executive with KTAR, mini-cams are frequently seen displaying the KTAR logo, etc., etc. Any confusion that may have resulted, however, should be alleviated by the fact that KTAR-12 is now KPNX-12! And, oh yes, Phoenix really is still all there....

TV NON-IDS? Heaven forbid, but it's true. TV stations have long made use of slogans and non IDs, but many are taking on the trend of their FM kinfolk and using non-IDs with increasing regularity, some to the virtual exclusion of any more than the required legal ID, which often consists of barely discernable microscopic call letters anyway! 2 notorious proponents of this practice, as noted here on summer 88, are KYW-3 with their "3 for all" non-ID, and KTVQ-3, who almost always IDs as "Your Friend 3." I believe it's time to take on the unfortunately needed task of running TV non-IDs in this column. Your help in this endeavor naturally, is needed.

THE "24 HOUR" CLUB has a new member; WFTV-9 in Orlando. They now program around the clock, 7 days a week. The c.e. says that the only time they will ever go off again is in case of an emergency, and he adds that modern transmitters no longer require the extensive testing and routine maintenance of the past.

Typical TV Non-ID: WTVX-34 FL



THE FIRST MULTI-LINGUAL TV STATION in North America is scheduled to be CHMT-47, scheduled to begin broadcasting from Toronto on September 3. They plan to broadcast in 40 languages! (40--count 'em--40) The station is getting a mixed reaction in Toronto, as CRTC regulations will require CATV systems to "bump" an American station from Chs. 2-13 to a mid-band or super-band channel, which not all subscribers are equipped to receive, in order to make room for CHMT-47.

BIZZARE DEPARTMENT: It was reported by UPI that a man with a history of mental illness, who had shot his estranged wife to death, proceeded to call WPLG 10 in Miami to confess to the shooting, and wanted to know if he would be paid for his news tip! No fooling!

PAY-TV NEWS NOTES: WXON 20 in Detroit is now running pay-TV programming....WKID-51 is scheduled to begin programming an evening pay-TV schedule shortly, replacing the religious programming that had previously filled the evening hours. (For those who know of him, the inimitable Dave Dixon retains his All Night show on the same station!).....Comsat is seriously considering offering home-satellite reception of pay TV utilizing small rooftop antennas and relatively inexpensive converters. A similar system is being test-marketed in Japan.

MISCELLANY: WGBS-49 Red Lion PA reported on, but not official....Full Gospel Businessmen's Fellowship wants a 100-w UHF xlr in Muncie IN to repeat the 24-hour PTL Satellite Network--reportedly the first of many proposed xlrts....Two new IA xlrts making good DE: K38AS Ft. Madison (1-kw) and K54AF Keosauqua (100-w), both relay KLIN 12....New licenses of Orlando Ch. 35 wants WOFT-TV calls....a Christian concern is struggling to receive CP for Ch. 24 in St. Louis....The Ch. 14/60 switch in San Francisco has taken place....little WCNC 40 in wild-wood NJ being sold--plans are to up tower & power to more effectively represent South NJ market....2 new "supertowers" planned by KQTV-2 MO and WCTI-12 NC--both will rise nearly 2000'....WLIW-21 Garden City NY is back on-air with improved signal.....

CONTRIBUTORS: Robt. Baker, Humboldt IA; Leo Boehl, Gr. Island NE; Phil Boersma (WKJR-AM/FM), Spring Lake MI; Robt. Goodman, Cicero IL; Glenn Hauser (WUOT), Knoxville TN; David Leibold, Blyth ON, Canada; Greg Monti, Bayville NY; Walter Patton, Montreal PQ, Canada; Paul Petosky (WIDG-AM), St. Ignace & elsewhere MI; Ken Simon, Lk. Worth FL; Ralph Strobel, Muncie IN; Jeff Silver Spring MD; Tom Yingling, Baltimore MD. **WHEW!** Many "jewels" from the new 1979 TV YEARBOOK (yes, it's finally out, hi!) will have to wait until October!.....73, JOHN.

EASTERN TV-DX

Robert Kramer
3406 W. Pierce
Chicago, IL 60641

September 1979

Deadline: 5th

Es reports, especially those of John L. Jombs and Frank Wheeler, seem to indicate a better Es season than I have noticed. Their reports indicate a fairly good season. John noticed Es throughout most of June, while Frank had many good catches from May, July. In addition to the skip, some good tropo reports have also been seen in. John Jombs' June 17-19 opening produced some long haul dx in excess of 500 miles (boy you guys down in FL are hogging all the good DX, hi!) and Paul Petosky has more on the June 15th NW tropo that I reported last month. A fair tropo opening hit the Midwest on July 26-27, producing good signals from XL Es nearly 300 miles away for your editor. This same opening also was very good to the east. Let's hope reports such as these continue.

re unknown user If this resembles your report, please identify yourself in the future, put your name and address on the report, not just the envelope. When I'll forward the report to me, I had no way of knowing where it was). EL /EL

February	25 Tr 2200 Providence V's	18 Es 1500 OKPR-2 ON 860
17 F2 1230 BGC1-3I Ø, J., Video Buzz 48 MHz Channel W-Buzz "three stns. were in. Video buzz 48 MHz".	WCAI-10 PA 140 30 Es 1723 WFUT-2 FL T May 10 Es 1930 WFUT-2 FL 1050 2032 WJXT-4 FL 2058 WLB-3 FL 970 2100 WBRZ-2 LA 1050 11 1945 WPTV-5 FL 960 " -2 FL 1050 " -4 FL 1050 2024 WEDU-3 FL 960 WESH-2 FL 860	Thunder Bay "WCBZ" 22 1730 WBRZ-2 LA 1080 1735 WDSU-6 LA 1070 1758 WBRZ-6 AL 820 1800 KALB-5 LA 1130 Alexandria KJAC-4 TX 1280 Beaumont "New State" 1801 WCBI-4 MS 920 Columbus "MUF to FK" 1854 WABC-6 MS 1030 Greenwood 2000 KFDN-6 TX 1270 Beaumont "NJR 97 Mhz" 2030 KATC-3 LA 1150
April		
20 Tr 2254 WJVS-23 VA 320 2342 WKBS-48 NJ 120 Philly V's NJ U's strong	14 Tr 2135 Springfield U's Philly U's WBRE-28 PA 130 WNEP-16 PA 130 2138 WYIA-44 PA 130 WYII-52 NJ 120 WYII-50 NJ 60 2151 WBFF-45 MD 210 2156 WJNB-58 NJ 80 "Snow free" WAPB-22 MD 220 W62AA-62 NY 40 2221 WETA-26 DC 230 WTF-33 PA 170 Hershey 2248 WTPA-27 PA 180 WNTJ-50 NJ 2255 WPMZ-69 PA 120 WJAU-22 PA 130 2300 WFP 21 LA 130 WTF-67 MD 210 WYK-40 PA 60 2200 NJ U's 18 Es 1430 KUCA-2 MN 940	29 Tr 2000 Providence V's 2100 Boston U's 30 Es 1903 WCTV-6 GA 860 Thomasville 1907 WVI-4 LA 1070 WDSU-6 LA 1070 1914 WVAR-3 FL 960 1928 WBRZ-2 LA 1080 1929 WARG-5 AL 990 Mobile WTV-2 AL 910 Jothan
21 2000 Boston U's except 60 Providence V's WSEB-36 RI 100 2019 WJVS-23 NJ 140 WNTJ-52 NJ 120 WYIA-47 MA 120 2042 WPTV-68 MA 140 2044 WDCD-19 MA 90 2055 Springfield U's "Snow free" 22 0047 WBOC-16 MD 220 0215 WVEC-13 VA 300 25 1716 Providence V's 1952 Springfield U's NJ U's 1955 Philly U's 2032 WSEB-36 MA 140 WSEB-36 RI 100 2041 WDCD-19 MA 90 2100 WYIA-41 VT 130 2120 Boston U's 2200 Boston V's WRCB-6 NY 100		

there's a set available in many New York camera shops that can be converted to the British and continental European TV systems. It is the Sinclair Microvision TV, and sells between £20. 260. I had the set demonstrate, and it works very well. Unfortunately, the set only has a 2" screen, making picture taking difficult unless you have a magnifying glass, or one of those old mineral expanders from the late 60's. But I'm going to attempt F2 DX with this set (which I plan to get sometime around Xmas), because I can't find other sets anywhere that demodulate foreign video. 73's.

John F. omcs 2421 Ivar Court (Orlando, FL 32807) (31)

3 Es 1830 Noted, no time to watch	3 Es 2030 KFPW-4 TX 967 KALB-5 LA 589 (prev. by Tr, MS; 4th stn by 3 modes)	3 Es 2035 KPRC 2 TX 857 2036 KLP 93.3 Mhz 2048 KENS-5 TX 1025 2113 KIII-3 TX 978
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John F. Combs Continued

J.F.C.

2+ Es 1654 WWS-5 OH 918

Cleveland

1707 MUF 94.7

1712 WCMH-4 OH 797

1728 KTVY 4 OH 1059

1730 WJMN 3 MI 1253

1735 Unided TX

1751 WBRV-2 IL T

1756 WFSB-3 CT 1034

1800 WNBC-4 NY 942

1803 WNEH-5 NY T

1810 WIVB-4 NY 986

1821 KDKA-2 PA 829

1825 WTAB-4 PA 815

1830-1930+ MUF 107.9

1944 WSAU-7 WI T

ø to WJCT, CBS

1957 WLS-7 IL T

ø offset to WJCT

in and out over

next 30-40 min.

21 0045 CKVR-3 ON 1096

0055 CKSC 5 ON 1252

0114 CKCO2-2 ON T

0125 CKSO1-3 ON 1250

Elliot Lake

(Auroral type hash

and loss of horiz.

sync during fades

on this opening-

could be Au-induced

Es make it this far

South ?)

0835 Unided 3/4 CB 4

0920 Unided 3, 3/4 CB,

full CB

0922 CKCO2 2 ON T

WBYR-3 NY 1036

0926 MUF 97.1

0955 WNBC-4 NY 942

WCBS 2 NY T

1010 WTVH-5 NY 1036

1126 WISC-3 WI 1099

1229 WBBM-2 IL T

1258 KTVQ-3 MO 1039

WGIA-3 IL 951

KIMT-3 IA 1269

1303 KSD-5 MO 864

1312 WOG-6 IA T

1314 KMOX-4 MO 864

1318 WBSL-3 IL T

1324 MUF 94.7 MHz

1325 KTVI-2 MO 864

1332 KSNB-4 NE T

1341 KCMO-5 MO 1048

1346 WDAF-4 MO 1048

1354 KQTV-2 MO 1089

1357 KTV-3 MO 896

"CCI 2,3 cont.

through the aft.,

no IDs."

2 1020 CCI noted on 2,3

2+ 1845 CCI noted on 2-4

1345 CCI 2,3.

(on the above three,

John reports he was

too busy to ID, ed)

At Gainesville, FL

29 Es 1500 CBOT-4 ON 1120

"and several

unideds"

2030 KTVQ-3 MO 935

KQTV-2 MO T

2053 KTVI-2 MO T

2100 WDAF-4 MO 945

"MUF at least

94.9 MHz"

Tr 2300 WCIV-4 SC 260

WTV-7 SC 260

WVAN-9 GA 180

"above 3 on CATV"

WERA-14 SC 250

WJAJ-16 SC 220

30 Es 1750 t/in, CCI 2-4

1810 WFSX-3 PA 780

1835 WGR-2 NY 930

WBEN-4 NY T

Tr 2150 WERA-14 SC 250

WEVU-26 FL 250

2200 WXL-40 FL 160

2320 WUNJ-39 NC 410

WUNK-25 NC 510

JULY

1 Tr 0035 WCSC-5 SC T

0040 WECT-6 NC 410

"ABC audio U/

WDBO"

0045 WCTI 12 NC T

"on CATV"

Es 1020 WCAI 3 VT 1195

1059 WGR-2 NY 930

KPHG-2 TX 795

1107 WSYR 3 NY 960

2215 T/in, unideds

to TX until 2250

MUF at least to

88.1 MHz.

2 1230-1330 Noted mobile

on car FM to KS,

MO; MUF at least

94.9 MHz.

Back at Orlando

2 Es 1800 WCCO-4 MN 1350

KMTV-3 NE 1209

1900 KTVQ-3 MO 1039

1915 KMOX-4 MO 861

WOT-5 IA 1145

1921 KSD-5 MO 864

1957 MUF 97.7 MHz

2030 WHBF-4 IL 1019

Tr 2150 Panama City V's

WCTV-6 FL 226

"U/WDBO"

2240 WDHN-18 AL 301

WYEA-38 GA 341

WGTQ-43 AL 329

0757 WLTN-19 SC 392

"CCI 2,3 cont.

through the aft.,

no IDs."

WBA 14 SC 320

WJAJ-16 SC 290

0807 WJAJ-27 SC 373

WJTM 33 SC 408

WJTM-33 SC 355

0830 WJTM 28 GA 357

WYEA 38 GA 341

3 Tr 0830 WDHN-18 AL 301

WDCO-15 GA 294

0835 WCBW-41 GA 318

0844 WATV-26 SC 337

0845 WCES-20 GA 329

0858 WIS-10 SC 387

4 Es 2100-2130+ various

unideds to TX area.

Tr 2140 WLTN-19 SC 392

WJWJ-16 SC 290

WJAJ-27 SC 373

WRLK-35 SC 385

WJTM-33 SC 408

WUNJ-39 NC 440

WBTW-13 SC T

2145 WITV-7 NC T

2155 WOLO-25 SC 380

2220 WERA-14 SC 320

2230 "Had to quit"

5 0905 Panama City V's

Es 1845 KARD-3 KA 1129

1920 KSNB-4 NE T

8 1017 Unided 3

10 0820 Unided 3, CBS,

TX ?

1745 KYTV-3 MO 896

KSNB-4 NE 1232

1800 WFSB-3 CT 1034

2Es? 1814 CHS-4 NB 1582

St. John

"Local ad con-

firmed with Dir-

ectory assistance,

province #3."

1815 Unided 4 FF

1816 WTMJ-4 WI 1069

1836 WCAI-3 VT 1202

1850 WLEZ-2 ME T

1854 WNBC-4 NY 942

1856 WNEH-5 NY 942

1900 WSYR-3 NY 1036

1956 MUF 94.3 MHz

2000 WTVH-5 NY 1036

0845 Unided 3, CCI 2

11 1330 T/in unideds 2-4,

no time

15 1700 XEFB-3 NL 1185

XHTO-2 TAMS 995

1710 KGBT-4 TX 1023

KRGV-5 TX 1020

1720 KTVY-4 OK 1059

1730 KMTV-3 NE 1209

1759 KQTV-2 MO 1089

1823 WFSX-3 PA 856

WHSV-3 VA 719

Harrisonburg

1849 WTAE-4 PA T

1853 WKYC-3 OH 887

1856 WWS-5 OH 918

1922 MUF 99.1 MHz

1938 WBBF-4 IL 1019

2015 MUF 99.1 MHz

2058 WTTW-4 IN 799

2128 KFDX-3 TX 1078

KAOZ-6 TX 1087

Merita Falls

2235 WFRG-4 TX 857

KAMA-4 TX 1301

John F. Combs Continued

15 Es	2259 KTVY + OK 1059	43 Es	0855 KGBT-4 TX 1023	31 Es	1251 KTVY-4 OK 1059
	KOET-3 OK 948		XEFB-3 NL 1185		1254 KOCO-5 OK 1059
	2348 KSNB-4 NE 1232	24 Es?	1025 Unided 4 Mex		KFEA 5 AR 901
16	0000 KPRC-2 TX 957		(local NX mant.		1308 MUF 97.7 MHz
	0005 KMTV-3 NE 1209		Tepic, Guadalajara		1321 KARI-3 AA 1129
	0007 WKZO-3 MI 1036		and Acapulco, all		1330 KCHO-5 MO 1048
	0018 KQTV-2 MO 1089		have channel #s)		WDAF-4 MO 1048
	0032 KTVI-4 IA 1329	1135	WAPA-4 PR 1184		1425 XHRIO-2 TAMS 1
	0852 KMTV-3 NE 1209		WKAQ-2 PR T		KLII-3 TX T
	0907 KINT-3 IA T	1217	WORA-5 PR 1161		1444 XHD-4 TAMS 1135
	0925 KTVO-3 MO 1039		// WAPA-4		1907 2000 Many unided
	0954 WJMN-3 MI 1253	1435	YSR-2 ELSal 1160		esp. on ch. 3
	1000 WJIA-3 IL 951		YSJ-4 ELSal 1160		1936 WCIA-3 IL 951
19	1745 HIED-4 DR 1005	1502	TGV-3 GUAT 1155		1959 WKZO-3 MI 1036
	1825 Local WBSW OFF 1	1725	WAZO-3 MI 1036		2052 KAVR-3 ON T
	1828 YVVP-2 Venezuela	1758	KTES-3 LA 799		2057 MUF 93.1 MHz
	Caracas or	1800	KOET-3 OK 948		briefly
	aracaico	1817	KDFW-4 TX 967		2059 WBYR-3 NY 1036
	(several probos	1844	KOAC-5 TX 967		2100 WBYR-3 NY 1036
	w/ Radio Caracas	1922	KNOL-4 TX 1025		2103 WJH-5 NY 1036
	logo, then NX,	1929	KLII-3 TX 978		2116 WTAE-4 PA
	very choppy w/	1930	KGBT-4 TX 1023		2204 MUF 91.1 MHz
	poor sync &		XEZ-3 WRO T		briefly
	strange CQI-perhaps	1931	XHD-4 TAMS 1135		2300 KTVO-3 MO 1039
	linking with TE,		XHRIO-2 TAMS T		(2 reports combined,
	but a little early	2000	KRGV-5 TX 1020		ed.)
	for that. Exact	2006	XEFB-3 NL 1185		
	XMT? unknown, but	26 Tr	2030 Charleston V's		
	distance anywhere	27	0750 WIS-10 SC 387		
	from 1400-1525 mi.		WERA-14 SC 320		
20	1631 Local WBSW back on		WJWJ-16 SC 290		
	1059 WJLV-4 MI 902		WOL-25 SC 380		
	1100-1235 various unided		WNTV-29 SC 447		
21	0925-1330 various unided,		WRLK-35 SC 385		
	mostly SS	0755	WLTX-19 SC 392		
	1350 TGV-3 GUAT 1155	0809	WATO-26 SC 337		
	1351 MUF at least 88.8	Es	1530+ CCI 2 & 3, but		
	1425 XHAO-4 Mex		too busy		
	1429 XHGE-5 Mex	1835	KTM-3 PA 868		
	'Net-13, now we		WFSB-3 CT T		
	know calls on both"	1845	WHPF-4 IL 1019		
	1535 KPRC-2 TX 857	1852	WFSX-3 PA T		
	1538 KNOL-4 TX T	1855	KDMI-3 IA 1264		
	1556 KDFW-4 TX 967	1924	WFTV-4 MI 968		
	KFTX-3 TX 910		FTVO-3 MO 1039		
	1600 KRGV-5 TX 1020	1925	WOL-5 IA 1145		
	1602 KGBI-4 TX 1023	1955	WTCM-4 MI 1195		
	1605 XHPHO-2 TAMS 995	2054	KPRC-2 TX 857		
	1625 KXAS 5 TX T	2105	KQTV 2 MO T		
	1710 XEFB-3 NL T	2135	XHD-4 TAMS 1135		
	1815 KAMR-4 TX 1301	28 Tr	0809 Panama City V's		
	1910 KTVY-4 OK 1159	Es	1655 Unided 4 Mex		
	KOET-3 OK 948		2017 Unided 3 Mex		
	1921 KTEW 2 OK T	29 Tr	2138 Panama City V's		
	1922 KOCO-5 OK 1059		WAEW-14 GA 244		
	1944 KOTV-6 OK T	2219	WMAH-19 MS 479		
	2035 KRSM-5 AR 901		"also CCI: Chs.		
	2039 MUF 95.5 MHz		3, 4, 5, 8		
	2112 KARR-4 AP 785	31 Es	0940 KPRC 2 TX 857		
	2119 KYTV 3 MO T		0955 1050 various		
	2225 MUF 98.9 MHz		unideds		
	2300 WDAF 4 MO 1048	1053	WFSB-3 CT T		
22	1143 KLII 3 TX 978	1056	WRC-4 DC 760		
	1159 XHRIO-2 TAMS 995	1058	KYM-3 PA 868		
	1203 XEFB-3 NL 1185	1102	WTAR-3 VA T		
	1204 KRGV-5 TX 1020	1104	WTTG-5 DC T		
	1205 KGBT-4 TX 1023	1110	WMAH-2 MD T		
		1203	KPRC-2 TX T		

"This may well be the best summer of DX ever seen here in Orlando. The highlight has to be the Ch. 7 Es on the 27th (June, ed.), -something I've waited to see for a long time. Even though no positive IDs were made, it was quite an experience! Es seen at least 23 out of 30 June days here in Florida. The unseasonal tropo continues- note the 17th/18th, the 24th, and the 30th (June, ed.) in particular. Log at 314. By the way, Roger Bunney's unided ch. A2 multi-hop Es has been identified as CKCW through the efforts of myself, Pete Sawatzky, Mark Lewis, and others. About 2700 mi, New Brunswick-to- England- probably a 3-hopper. A good month for Es (July, Ed.): CHSJ-4 seen on 7-10 for my first NE and my 3rd province; KAUZ-6 caught U/local on 7-15 (local had gone to black between ads); and Venezuela on Ch.2 on 7-19. I'm not certain whether the strangeness of the Venezuelan signal was due to a TE link, or the rumor

John F. Combs Continued

that Venezuelans scan 625 lines, as they did in the 50's. Does anyone know for sure ? Venezuela seen once before: July 10, 1974, on channel 3 that time, for about 14 minutes. Log at 318 stations. Good DX and 73s.

Gray L. Fulk 1533 Forest Drive Mount Airy, NC 27030

(EST/EDT)

November 1978	12 Tr 1323 WRC-4 DC 265	22 Es 2001 Unided 5 SS, // to unided on 3
7 Tr 0930 WNEC-30 SC 125	20 Es 1200 KDUH-4 NC 1210	2100 KCEN-6 TX 1023
Rock Hill	22 1553 Unided Cuba ?	Temple
0949 WJBF-6 SC 235	CB	WATE-6 TN 190
DECEMBER	1928 KFDX-3 TX 1070	Tr
3 0115 WRDW-12 SC 435	1930 LETS-2 AR 697	Es 2200 KBTX-3 TX 1020
0200 WCTI-12 NC 230	Little Rock	1543 Unided 3 PBS
MAY 1979	1950 Unided 3 "EE cartoons w/SS audio"	1715 Unided 3 SS movie
6 1540 WWAY-3 NC 230	1955 KTBS-3 LA 837	"This is my first report to WTF; hope everything is satisfactory. Expect to add a
1545 WDET-6 NC 230	Shreveport	
11 Es 1744 Unided 3 poss. a Cuban, EB w/ SC audio.	2000 unided 3 SS	

winegard pre-amp to present winegard antenna, maybe tropo or HF will improve. Tnx,

Glenn Hauser University Radio Club Knoxville, TN 37916 (EST)

Lines are 1. "PAL" (since it is subject to diurnal propagation patterns, and Knoxville would be in the L zone if accurate timezone boundaries hadn't been tampered with). Antenna: Channel Master color cross fire aerial, roof mounted with rotor. Bandwidth (7.4 mhz) to nearest 100 kHz: 1978; 1979; 1980; 1981; 1982; 1983; 1984; 1985; 1986; 1987; 1988; 1989; 1990; 1991; 1992; 1993; 1994; 1995; 1996; 1997; 1998; 1999; 2000; 2001; 2002; 2003; 2004; 2005; 2006; 2007; 2008; 2009; 2010; 2011; 2012; 2013; 2014; 2015; 2016; 2017; 2018; 2019; 2020; 2021; 2022; 2023; 2024; 2025; 2026; 2027; 2028; 2029; 2030; 2031; 2032; 2033; 2034; 2035; 2036; 2037; 2038; 2039; 2040; 2041; 2042; 2043; 2044; 2045; 2046; 2047; 2048; 2049; 2050; 2051; 2052; 2053; 2054; 2055; 2056; 2057; 2058; 2059; 2060; 2061; 2062; 2063; 2064; 2065; 2066; 2067; 2068; 2069; 2070; 2071; 2072; 2073; 2074; 2075; 2076; 2077; 2078; 2079; 2080; 2081; 2082; 2083; 2084; 2085; 2086; 2087; 2088; 2089; 2090; 2091; 2092; 2093; 2094; 2095; 2096; 2097; 2098; 2099; 2100; 2101; 2102; 2103; 2104; 2105; 2106; 2107; 2108; 2109; 2110; 2111; 2112; 2113; 2114; 2115; 2116; 2117; 2118; 2119; 2120; 2121; 2122; 2123; 2124; 2125; 2126; 2127; 2128; 2129; 2130; 2131; 2132; 2133; 2134; 2135; 2136; 2137; 2138; 2139; 2140; 2141; 2142; 2143; 2144; 2145; 2146; 2147; 2148; 2149; 2150; 2151; 2152; 2153; 2154; 2155; 2156; 2157; 2158; 2159; 2160; 2161; 2162; 2163; 2164; 2165; 2166; 2167; 2168; 2169; 2170; 2171; 2172; 2173; 2174; 2175; 2176; 2177; 2178; 2179; 2180; 2181; 2182; 2183; 2184; 2185; 2186; 2187; 2188; 2189; 2190; 2191; 2192; 2193; 2194; 2195; 2196; 2197; 2198; 2199; 2200; 2201; 2202; 2203; 2204; 2205; 2206; 2207; 2208; 2209; 2210; 2211; 2212; 2213; 2214; 2215; 2216; 2217; 2218; 2219; 2220; 2221; 2222; 2223; 2224; 2225; 2226; 2227; 2228; 2229; 2230; 2231; 2232; 2233; 2234; 2235; 2236; 2237; 2238; 2239; 2240; 2241; 2242; 2243; 2244; 2245; 2246; 2247; 2248; 2249; 2250; 2251; 2252; 2253; 2254; 2255; 2256; 2257; 2258; 2259; 2260; 2261; 2262; 2263; 2264; 2265; 2266; 2267; 2268; 2269; 2270; 2271; 2272; 2273; 2274; 2275; 2276; 2277; 2278; 2279; 2280; 2281; 2282; 2283; 2284; 2285; 2286; 2287; 2288; 2289; 2290; 2291; 2292; 2293; 2294; 2295; 2296; 2297; 2298; 2299; 2300; 2301; 2302; 2303; 2304; 2305; 2306; 2307; 2308; 2309; 2310; 2311; 2312; 2313; 2314; 2315; 2316; 2317; 2318; 2319; 2320; 2321; 2322; 2323; 2324; 2325; 2326; 2327; 2328; 2329; 2330; 2331; 2332; 2333; 2334; 2335; 2336; 2337; 2338; 2339; 2340; 2341; 2342; 2343; 2344; 2345; 2346; 2347; 2348; 2349; 2350; 2351; 2352; 2353; 2354; 2355; 2356; 2357; 2358; 2359; 2360; 2361; 2362; 2363; 2364; 2365; 2366; 2367; 2368; 2369; 2370; 2371; 2372; 2373; 2374; 2375; 2376; 2377; 2378; 2379; 2380; 2381; 2382; 2383; 2384; 2385; 2386; 2387; 2388; 2389; 2390; 2391; 2392; 2393; 2394; 2395; 2396; 2397; 2398; 2399; 2400; 2401; 2402; 2403; 2404; 2405; 2406; 2407; 2408; 2409; 2410; 2411; 2412; 2413; 2414; 2415; 2416; 2417; 2418; 2419; 2420; 2421; 2422; 2423; 2424; 2425; 2426; 2427; 2428; 2429; 2430; 2431; 2432; 2433; 2434; 2435; 2436; 2437; 2438; 2439; 2440; 2441; 2442; 2443; 2444; 2445; 2446; 2447; 2448; 2449; 2450; 2451; 2452; 2453; 2454; 2455; 2456; 2457; 2458; 2459; 2460; 2461; 2462; 2463; 2464; 2465; 2466; 2467; 2468; 2469; 2470; 2471; 2472; 2473; 2474; 2475; 2476; 2477; 2478; 2479; 2480; 2481; 2482; 2483; 2484; 2485; 2486; 2487; 2488; 2489; 2490; 2491; 2492; 2493; 2494; 2495; 2496; 2497; 2498; 2499; 2500; 2501; 2502; 2503; 2504; 2505; 2506; 2507; 2508; 2509; 2510; 2511; 2512; 2513; 2514; 2515; 2516; 2517; 2518; 2519; 2520; 2521; 2522; 2523; 2524; 2525; 2526; 2527; 2528; 2529; 2530; 2531; 2532; 2533; 2534; 2535; 2536; 2537; 2538; 2539; 2540; 2541; 2542; 2543; 2544; 2545; 2546; 2547; 2548; 2549; 2550; 2551; 2552; 2553; 2554; 2555; 2556; 2557; 2558; 2559; 2560; 2561; 2562; 2563; 2564; 2565; 2566; 2567; 2568; 2569; 2570; 2571; 2572; 2573; 2574; 2575; 2576; 2577; 2578; 2579; 2580; 2581; 2582; 2583; 2584; 2585; 2586; 2587; 2588; 2589; 2590; 2591; 2592; 2593; 2594; 2595; 2596; 2597; 2598; 2599; 2600; 2601; 2602; 2603; 2604; 2605; 2606; 2607; 2608; 2609; 2610; 2611; 2612; 2613; 2614; 2615; 2616; 2617; 2618; 2619; 2620; 2621; 2622; 2623; 2624; 2625; 2626; 2627; 2628; 2629; 2630; 2631; 2632; 2633; 2634; 2635; 2636; 2637; 2638; 2639; 2640; 2641; 2642; 2643; 2644; 2645; 2646; 2647; 2648; 2649; 2650; 2651; 2652; 2653; 2654; 2655; 2656; 2657; 2658; 2659; 2660; 2661; 2662; 2663; 2664; 2665; 2666; 2667; 2668; 2669; 2670; 2671; 2672; 2673; 2674; 2675; 2676; 2677; 2678; 2679; 2680; 2681; 2682; 2683; 2684; 2685; 2686; 2687; 2688; 2689; 2690; 2691; 2692; 2693; 2694; 2695; 2696; 2697; 2698; 2699; 2700; 2701; 2702; 2703; 2704; 2705; 2706; 2707; 2708; 2709; 2710; 2711; 2712; 2713; 2714; 2715; 2716; 2717; 2718; 2719; 2720; 2721; 2722; 2723; 2724; 2725; 2726; 2727; 2728; 2729; 2730; 2731; 2732; 2733; 2734; 2735; 2736; 2737; 2738; 2739; 2740; 2741; 2742; 2743; 2744; 2745; 2746; 2747; 2748; 2749; 2750; 2751; 2752; 2753; 2754; 2755; 2756; 2757; 2758; 2759; 2760; 2761; 2762; 2763; 2764; 2765; 2766; 2767; 2768; 2769; 2770; 2771; 2772; 2773; 2774; 2775; 2776; 2777; 2778; 2779; 2780; 2781; 2782; 2783; 2784; 2785; 2786; 2787; 2788; 2789; 2790; 2791; 2792; 2793; 2794; 2795; 2796; 2797; 2798; 2799; 2800; 2801; 2802; 2803; 2804; 2805; 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Glen Hauser continued

7 July. At 1424, WJW-3 with video ID, whilst audio ID said TV 5-- referring to its parent stn in Green Bay, during WRC baseball; 1:30 on 4, shop canadian ICA during water ballet program, probably Thunder Bay.

10 July. Lots of Cubans, all on Ch. 6 network. 1800 on 3, comdie oriented news of Nicaragua, 1810 Canal 6 ID in passing; 1812 caster in front of Caribbean map; took several slides around this time. 1819 documentary on Mongolia, 1820 caster with t logo UR, 1825 said next news would be at 10:27; 1826 Nombre 6 slide, 1828 Juegos Panamericanos slide, 1829 promo Tele Cine at 10:30, a color film from Poland. 1829 TVC logo, 1830 pgs visiting and interviewing a big shot at Prola (the Cuban news agency), after 1840 in and out, mostly gone by 1855. All that was on ch. 3. On Ch. 4, at 1800 ./ to 3, caster has orange-peel world map projection behind him to UR; lots of different maps and graphics during cast. Ch. first I thought 3 was in color, but it was in black and white, when the signal faded, color level came up, due to WM or snow. On Ch. 2 (more local QRM than 3 or 4) Cuba // detected at 1810, with PanAm games coverage. Also during opening had some likely Floridians, 1915 color female singing in English on ch. 4, at 1818 on 2, offset 10 kHz to WJK, documentary on MacArthur. And at 1936 somebody on 3 with Flying Mun dubbed in Spanish.

11 July. At 1915, ABC CCI on 2, seemed best at SW bearing; 1929 another station with KNOP ID on 2; this made it through the local easily on rabbit ears.

15 July. I still haven't put up my HF dish, but conditions this day at least made me get it out of the box and unfold it. At 1800 WSVN-47 and WTCI-45 were in, reminding me that I don't have to be tied to WSJ-2 which often bypasses some of the best from PBS. This on set mounted loops. At 2030, Ea from the west, CBS; 2059 KXOL ID, also on 4, but NBC. CCI on 2 and 3, but too much local WRM.

24 July. Some rare insomnia got me up pre-the-local sign-ons for some mild tropo or extended ground wave from stns I hadn't seen much if at all, or as well before here. 0330 WMLT with OH stuff, and a 4 from same direction. A 6 from the direction of Birmingham with a christian interview show. At 0338, WTVF-5 Nashville on with ID slide and tone, large 5, and below it call and city; yellow/orange lettering on blue background. At 0340, a 3/4 CB TP with TT from same direction as WTVF, likely WSM-4. 0342, WSB-2 with tone, full CB TP, supering II logo and digital clock below it. Local WBIR-10 came on at 0342; and WATE-6 on at 0345 with ID, then 3/4 CB. TT. At 0350 = EF-12 Chattanooga signal on with STL slide A1021. At 0351, WFBC-4 was running a Good Morning slide with tone. At 0400 Kargis from the WSW same offset as WLOS-13 which had 3/4 CB and mx; at 0408 ID from it was WAFB.

That evening it was Ea. At 1720 on 3, WI map, assumed WISC. 1725 on 2, Chicago-area weather map, so WBBM. Something on 4 too at 1725, and at 1727 running a streamer, "Tornado Warning in Kent County" (which exist in DE, MD, MI, TX). At 1727, on 3, ending scene 3 News, and a local promo by Bob Schieffer; 1729 pgs summary from KTLH-TV Duluth, then Bob Newhart. At 1730 on 4, after NBC promo, Gong Show, and College Bowl promos. At 1733 Muppet Show on 3, Andy Griffith on 4. At 1738, CKSO on ch. 3, giving a joint visual ID with another station I couldn't catch before it vanished. CKSO on ch. 3 would be Elliot Lake, Ontario.

28 July. At 0828, a film feature on 3 about Halifax, I would think from Halifax. At 0832, on 4, 3/4 CB and tone. 0841 on 4, CBC Winnipeg TP, so I guess the Lac du Bonnet satellite, still running past 0900. At 0855 on 2, U/local, CATV type letter wipe saying counselors available and giving Toronto/Tull telephone numbers.

29 July. At 0959 t/in, skip in on 4, caught KDLH II, mentioning Alliance and some other places. Some offset CCI to WSVK 2. At 1045, Minneapolis Police badge, and officer introducing advice on DWI; MUF poked up to 91.1 briefly at 1052 and probably to 93.7. 94.5. WCCO continued with local news, weather and sports 1100-1130, this on Sunday. At 1057 on 3 a film in French on cathedrals was ending, and 1059 CWFT ID Winnipeg. 1129 on 3, after NBC Meet the Press, KOTA call on record offer, and program preview; 1130 Dakota East and West (funny, I always thought they were North and South...). 1146 South Dakota Public Television, wedge TP so labeled in four quadrants overrode on rabbit ears WSVK-2; 1159, KPFS 2 ID. A bit of Ea in and out for following hour, especially on open channel 3, but no IDs.

Regarding the local situation, in Knoxville. WATE-6 is all set to switch from NBC to ABC, but hadn't yet as of 29 July. Despite press speculation that WBIR-10, which has been CBS, might get NBC in a 3-way swap, current ABC affil. WTV 26 has been seen running NBC promos, so I assume WBIR 10 will stick with CBS. WATE and WTVK must be pulling their hair out, having to run all those fall promos for each others' network-to be WBIR-10 is building a new higher tower on Sharp's Ridge (in Knoxville where the other stations are) to replace its tower on a mountain some distance away. Several months ago, their ch. 43 kilowatt translator on Sharp's Ridge disappeared. Hardly anybody in Knoxville knew about it as WBIR never publicized it; but in fact it provided a cleaner signal here than the main XMTR on 10!

Jeff Kadet, W3CRH P.O. Box 90 Rockville, MD 20850 (EDT)

Zenith 1092Y 9" AC/DC, Sears Local Suburban log periodic, 4 bay bowtie.

"For this first time in my life I've had the opportunity to DX from a location with no low banders, and especially no locals on chs. 4 & 5, having lived in either Boston or D.C. Saw this Es from downtown Cumberland, Md, about midway between D.C. and Pittsburgh.

<u>JUNE</u>	7 Es 2000 KPRC-2 TX	24 Es 2300 KFDX-3 TX	29 Es 1630 KSD-5 MO
12	2000 WPBT-2 FL	2313 KTEW-2 OK	1730 Unided 5 SD
	2020 Cuba-4	2315 KITY-3 MO	1751 Unided SD-6, spot
	2030 Unided SS 3,	2321 KCKT-2 KA	for Moorehead State
	looked like OLP	1030 KITY-3 MO	University
	on screen, got	KINE-3 NE	1821 KMTV-3 NE
	photo and will	1036 KNOP-2 NE	1830 KUSD-2 SD
	check it.	1054 KLTU-2 MO	1847 Unided 2, vertical
	2047 Unided SS 2	1129 KARD-3 KA	bar TP, S/on 1900
13	1930 WLET-3 MS	2201 KTEW-2 OK	1930 KPRC-2 TX
	2000 KTES-3 LA	2025 KETS-2 AR	2100 KRCV-5 TX
	KETS-2 AR	2046 KTES-3 LA	2133 WQWT-6 NE T
	2016 WBRZ-2 LA	2100 KPAL-6 LA	2157 Unided ABC 4
	2031 KBTY-3 TX	KABG-6 MS	2300 KCKT-2 KA
	2118 KATC-3 TX	2200 KCFE-2 ND	30 1630 WPBT-2 FL
15	1827 KHAJ-5 TX	2230 WDAY-6 ND	1653 Unided 3 FF
	1901 KFDX-3 TX	2231 KXJB-4 ND	1800 WEDU-3 FL
23	2000 Cuba-3	2320 KMTV-3 NE	
24	1947 KOCO-5 OK	2330 KLINE-3 NE	
	2000 KOTV-6 OK	1003 KNOP-2 NE	
	2027 KALB-5 LA	1030 KLINE-3 NE	
	2028 KATC-3 TX	1050 KQTV-2 MO	
	2100 KCMO 5 MO	1105 KATC-3 LA	
	2109 WDAF-4 MO	1130 WBRZ-2 LA	
		1600 KTES-3 LA	

Back at home

May

28 Tr WNJT-52 NJ 135
 WCCB-49 150
 WXTV-41 NJ 177
 WYIA-44 PA 163
 WYJB-58 NJ 155
 WYJS-23 NJ 155
 WYJM-50 NJ 155
 30 WYTF-28 NC 215

"Have also taken some trips into the mountains in my car with the Zenith and have had some great fun. Best catch was WAKR 23 (177) 22 mi. east of Cumberland.

John Barber Jr. Box 65 Carolina, RI 02812 (EST/EDT)

<u>March</u>	16 Es 1900 MUF 6, CGI 2 5	10 Es 1730 WEDU-3 FL	2 Tr 2130 WHRO-15 VA
	direction NW	1800 WESH-2 FL	WYAH-27 VA
18	1200 MUF 2	1905 WBRZ-2 LA	2334 WTTM-7 NC
21 Tr	1200 NH 9 & 11	1907 Unided 3 CBS	WBCC-16 MD
22	1900 WYAH-27 VA	Unided 3 NBC	WNBP-16 PA
	WHRO-15 VA	2100 WRBL-3 GA	Philly U's
	WBOC-16 MD	11 0100 WBRZ-2 LA	WDCA-20 DC
	WBRZ-28 PA	Tr 2147 WTVB 4 NY	3 1800 WCTY-12 NC
	1901 WQNC-40 NJ	2148 WMAL-2 MD	WWTB-12 VA
	WVIA-44 PA	2300 WKTV-2 NY	WHYY-12 PA
	WBFF-45 MD	WMHT-17 NY	WAVY-10 VA
	WDCA-20 PA	12 0702 WKTV-2 NY	1830 WTTN-7 NC
	WPHL-17 PA	WITF-33 PA	WTVR-6 VA T
	1902 WETA-26 DC	Es 0941 Unided 3 ABC	WHRO-15 VA
	WTAF-29 PA	Unided 2 PBS	WBOC-16 MD
	WKBS-48 PA	19 1030 KMOX-4 MO	KYW-3 PA
23	0908 NY V's & U's	WMT-2 IA	WCVB-23 VA
<u>April</u>		1105 WDBF-4 IL	WLEX-8 VA
3 Tr	2000 Philly V's & U's	1109 KPCA-2 MN	WPTI-6 PA
20 Tr	1900 WHRO-15 VA	1200 KTVI-2 MO	2300 WCAU-10 PA
	WVEC-13 VA	1300 KUSD-2 SD	WNET-9 NC
	WYAH-27 VA	1900 KALB-5 LA	WTVB-11 NC
22	0600 All NYC	WKAB-2 MS	WJZ-13 MD
	0709 WDCA-20 DC	KATC-3 LA	4 0100 WCTI-12 NC
25	0900 All NYC	WCBT-4 MS	5 Es 1900 CMKJ-3 Cuba
28	1030 WKTV-2 NY	23 1337 WSJK-2 TN	WPBT-2 FL
<u>May</u>		1400 Unided 4, NBC	CMH-5 Cuba
2	0115 NYC	1700 Unided 2, PBS	1930 WDBO-6 FL
	0326 WCTI-12 NC	30 2000 Cuba-2	2000 WJXT-4 FL
	0402 WVEC-13 VA	WPBT-2 FL	7 Tr 1700 WYAH-27 VA
	0533 WYAH-27 VA		Phillys
	0552 WCAU 10 PA		
10 Es	1700 WTHS-2 FL	June	
	1730 WPBT-2 FL	2 Es 2000 Cuba-2	
		WPBT-2 FL	
		Tr 2010 WVEC-13 VA	

"Equipment: an 8' parabolic dish and Channel Master 0071 preamp-quantum 1110 VHF with modified Blonder-Tongue 7 transistor

John Barber Jr. continued

amp. CDE rotor- 100' Rohan tower, 0062 all channel amp, Andrea 25" color TV. 58 confirmations, log total 269.

Scott Levitt 3132 Woodland Ave. South Plainfield, NJ 07080 (201)-751-4351 (EDT)

MAY		5 Tr 0700		17 Tr 0100	
22 Es	1200 WEDU-3 FL 981		Madison	18 Es	1230 WRBC-3 TN 927
	WESH-2 FL 869	1900	WCCB-49 PA 130		1240 KYBS-3 LA 1206
	1730 WBRZ-2 LA 1170		Red Lion	20 Tr	0530-0800 Hartford,
	1744 KATC-3 LA 1215	6,7,8	Evening, Boston,		Scranton, Balt.,
	1800 KALB-5 LA 1202		Hartford, Salisbury,		Wash., Harrisburg
	Alexandria		Harrisburg, York U's		U's, Kltts W59AA,
	2100 WABG-6 MS 994	10	2322 WQTV-68 MA 216		W41AB, & W51AC
30	2000 WTVY-4 AL 891		Boston	21	0700 Boston, Hartford
	2030 WCTV-6 GA 830		Other Boston U's		& Springfield U's
	2300 WEDU-3 FL 981		Snow Free	24 Es	1856 WML-4 LA 1152
JUNE		14 Es	0900 WTHS/WPBT-2 FL		1900 KTAL-6 LA 1206
2 Tr	2300 WUNK-25 NC 378	16 Tr	0555 WVEC-13 VA 270		2100 WGBI-4 MS
	Greenville		0557 WAVY-10 VA 280		Columbus
	WCVE-23 VA 261		0603 WCTI-12 NC 405		2200 WTHS/WPBT-2 FL
	2305 WYAR-3 VA 261		0608 WYAH-27 VA 280	28	2000 KOET-3 OK
	2311 WWBT-12 VA 261		0622 WTVB-11 NC 400		Bufiles
	2317 WITN-7 NC 378		0624 WWBT-12 VA 261		2300 KGLO-3 LA 981
	2320 WAVY-10 VA 280		0650 WKEK-8 VA 261	July	
3	0000 WYAH-27 VA 280		0700 WVIR-29 VA 300	1 Es	0003 WRBC-3 TN 927
	0022 WKWE-25 MA 216		0705 WSRT 13 VA 338	2	1730 KYTV-3 MO 1035
	0100 WPTF-28 NC 400		Lynchburg		1830 KBTX-3 TX
	Durham-Raleigh		0719 WHHD-15 VA 290		Bryan
	0120 WCTI-12 NC 405		0725 WPTF-28 NC 400		1910 KGLO-3 LA 981
	0135 WKEK-8 VA 261		0726 WCVB-23 VA 261	"Log now at 193. I have just rejoined the club after an absence of about 2 years, so I will introduce myself. I am 16 years old, and will be a Junior at South Plainfield	
	0200 WVEC-13 VA 270		0800 WVPT-51 VA 301		
	0230 WTVR-6 VA 261		W41AB-41 VA 261		
	0730 WHHD-15 VA 290	2330	WKEK-8 VA 261		
	2240 Springfield U's		W51AC-51 PA 110		
	Hartford U's	17	0030 W72AS-72 PA 126		
			Harrisburg		

am currently using a Finco 5 foot dish for UHF, and an Archer V 185 for VHF. The antennas, however, are not on the roof, but of the floor of my garage. The dish was in my bedroom, and I wanted to put the VHF antenna there as well, but it would not fit. I started using the V-185 on June 28, and there hasn't been any really good tropo since. The dish was used over the entire reporting period. Do I have the calls of Lynchburg 13 right? (According to my records you do, but the call letters of Mason City, IA that you listed twice should be KIMT, not KGLO, ed). The second letter looked strange on their test pattern.

Jim Alexander 4 Brook Court Parsippany, NJ 07054 (NBT)

MAY		30 Es 2030		3 Tr 0242	
18	Es 1100 KMTV-3 NE		WCTV-6 GA	5	0800 WKEK-8 VA 275
	1130 KDLO-3 SD				WWBT-12 VA 285
	1300 WISC-3 WI	2	Tr 2130 WUNK-25 NC 390		0810 WUNK-25 NC 390
22	1830 WLBZ-3 MS		2200 WITN-7 NC 420		
	1900 WABG-6 MS		"audio O/WABC"		
30	1945 WKEG-5 AL	2400	WCTI-12 NC 420		
	"video clear O/		New Bern		
	local WHEW	3	0046 WHCT-9 NC 390		
			Greenville		
			"audio O/WOR-9"		

"Equipment: 7' Delhi dish & AC-4990 UHF amp @ 45', CM Quantum 1114 (VHF) @ 25', horizontal stack of Radio Shack 6-element FM antennas @ 25'. B-skip was good in late May, W/June type openings on 5/22 & 5/28, but since June began the skip has been well below what is expected for the time of the year. The June 2/3 tropo opening brought some long-awaited coastal NC highbands in W/strong signals, and was a most enjoyable opening. The loggings of WABG-6 MS, WCTV-6 FL, and even WAVY-10, were all made using the horizontal stack of FM antennas. Each time, the single 1114 produced only CCI, well under the strong Philadelphia local!

Eric Fader 23-35 Bell Blvd. Bayside, NY 11360 (EST/EDT)

April		25 Tr 2048		May	
25	Tr 2035 WSBE-36 RI 140		WPHI-12 RI 140	10	Es 2000 WEDU-3 FL 1225
	WNLP-22 MA 110		WSEN-27 MA 140	22	1905 WLBZ-3 MS 1100
	"like local"	2050	WLYI-56 MA 175		1930 KATC-3 LA 1275
	2045 WCDG-19 MA 140		WGBY-57 MA 110		1954 KYBS-3 LA 1275
	WHCT-19 CT 90		2110 WHYN-40 MA 110		2200 KTAL-6 LA 1275

Eric Fader Continued

May
30 Es 1904 WEAR-3 FL 1250
1920 WGSJ-6 LA 1225
2000 WRBL-3 GA 850
2035 W200 WEDU-3 FL
2100 WCFV-6 GA 1100

June
17 Es 2105 KTHS-3 LA
24 1900-2130 Unids 3,6
29 Tr 2055 WEDN-53 CT
2100 CT, MA J's
30 0000 MA, RI U's,
22, 36, 40,
Boston, etc.

30 Es 1200 KDLH-3 MN
1200-1400 Unids 3

July
3 Es 1930 WREG-3 TN
5 1800 Unids 2,3
1900 2100 CBMT-3 MS
1900 KDLH-3 KN
1845-2030 WEDU-3 FL
19 Tr 2333 WJAR-10 RI
2335 WPRI-12 RI
2345 W?61-61 CT 49
2348 WTVU-52 CT
2359 WYYY-12 PA
20 Tr 2120 CT, RI U's

20 Tr 2120 MA U's, RI 10
27 Es 1945-2040 Unids 3
2008 WEDU-3 FL

August
1 Tr 2315 RI's 10, 12, all
Boston U's, CT/RI.
2 Tr 0100 WNAC-7 MA
"through local"
Es 1908 WLBZ-3 MS
1942 WABG-6 MS
"Bqpt: Ancient Sylvania B&W,
rabbit ears built-in. Lots of
short Es, but lots of Unids
too (but is 10 openings really
lots?). 73-Eric."

Harry J. Hayes Star Route, Box 226c Gouldsboro, PA 16824 (EDT)

"Equipment: RCA B&W 19" TVs and combo Ch. 2 & 5 quad loop at both locations."

* DX from Wilkes-Barre

June
2 Es 1950 WPBT-2 FL
2030 KETS-2 AR
*7 1912 KPRC-2 TX
1920 WBRZ-2 LA
2045 KCKT-2 KA
*12 1645 KTEM-2 OK
1658 KTVY-4 OK
Unid 5
*13 1917 KNS-3 LA

*13 2100 WMAB-2 MS
*15 1730 Unids 2-4,
South
1758 Unid SS-3, low
volume SS sound,
unlike Cuban
23 1145 WMT-2 IA
1300 WDAF-4 MO
24 1430 WPBT-2 FL
1500 CMKW-3 Cuba

24 Es 1730 WBRZ-2 LA
1748 KATC-3 LA
*28 1730 KETS-2 AR
2200 KDLO-3 SD
Unid 4, Skywarn 4
sign in right corner
of screen, (T WGOO)

29 1730 KETS-2 AR
1800 WONT-6 NE
30 1100 WSB-2 GA

"The month of June here was one if not the poorest on
record for E-skip. Things picked up only in the last
few days of the month."

July
1 1100 WESH-2 FL
WEDL-3 FL
1129 WBRZ-2 LA

Frank Wheeler 6589 Wattsburg Road, Erie, PA 16509 (EDT)

May
22 Es 1258 WTHS-2 FL 1098
1300 WDIQ-2 AL 815
1900 WTVY-4 AL 805
1901 WRBL-3 GA 814
1910 WWL-4 LA 1005
2130 WEAH-3 FL 912
2300 WPBT-2 FL 1098
30 1900 WPBT-2 FL 1098
1905 WEDU-3 FL 994

29 Es 1830 KDLX-2 LA 1169
1859 KTWQ-2 WY 1322
1901 KFPY-4 SD 1032
2159 KNOP-2 NE 1066
2259 KTEM-2 OK 943
2300 KTVY-4 OK 1040
30 1717 CBMT-3 MS 804
1730 WPBT-2 FL 1098
1829 WESH-2 FL 902

12 Es 1230 KPRC-2 TX 1210
1300 KTBW-2 OK 943
13 1730 KLINE-3 NE 1016
1731 KWGN-2 CO 1292
14 1200 WTHS-2 FL 1098
1230 KDLX-2 ND 1169
16 1200 WBRZ-2 LA 1020
20 1630 KCKT-2 KA 1015
1631 KARD-3 KA 953
21 1700 WBRZ-2 LA 1020
24 1830 KUSD-2 SD 851
1930 KOET-3 OK T

June
1 Es 1300 WEDL-3 FL 994
7 1300 KXJB-4 ND 923
1301 KDLX-2 ND 1169
1302 KDLO-3 SD 846
1310 WDAY-6 ND 852
Fargo
1330 KJBR-3 IQ 737
16 2258 KWGN-2 CO 1292
1230 WESH-2 FL 902
25 1230 KPRC-2 TX 1210
29 1630 WBRZ-2 LA 1020

July
2 Es 1429 KATC-3 LA 1056
1430 WBRZ-2 LA 1020
1532 KPRC-2 TX 1210
1730 KTEM-2 OK 943
1829 KLINE-3 NE 1016
1900 KCFE-2 ND 917
3 1020 WPBT 2 FL 1098
5 2100 KETS-2 AR 825
7 1029 KFDX-3 TX 1144
1100 KTBW-2 OK 943
1531 KTHS-3 LA 1005
1558 KETS-2 AR 825

2100 WBRZ-2 LA 1020
27 Tr 0730 WILX-10 MI 236
28 Es 1035 KDLX-2 ND 1169
1130 KOTA-3 SD 1169
2159 KNOP-2 NE 1066
2200 KCFE-2 ND 917
29 1400 KCKT-2 KA 1015
"Snakes in the transmitter box
put WGL TV 12 Erie off the air
for about an hour, May 27."

Richard Eckman 2328 Griffith St., Philadelphia, PA 19152 (EDT)

May
10 Es 1937 WBRZ-2 LA
1957 WFBT-2 FL
2000 WTVJ-4 FL T
12 2054 Unid 2
15 2130 Unid 2
22 1721 WPRZ-2 LA
WFLA-4 LA
1737 KETS-2 AR
1758 WCBI-4 MS
1812 KALB-5 LA

22 Es 1815 KJAC 4 TX
1830 WMAB-2 MS
1944 WIRC 4 TX
25 1730 ICR2 5 Cuba
27 1557 Unid 2
28 1630 KQTV-2 MO

June
2158 WFLA-7 NC
2202 WFLA-5 NC
Es 1946 WPBT 2 FL
1959 ICR2-5 Cuba

2 Es 2005 ICR2-2 Cuba
WTVJ-4 FL
3 Tr 0641 WCTI-12 NC
Es 2000 WBRZ-2 LA
WFLA-4 LA
5 1930 WPBT-2 FL
2100 WTVJ-4 FL
7 1944 Unid 2
9 2005 Unid 2
10 1919 ICR2 4 Cuba
WPBT-2 FL

Richard Eckman continued

June		24 Es		30 Es	
12	10 55 KATV-2 MC	1846	KDFW-4 TX	1220	CBWCT-5 ON
	"10" WFT-2 MI	1858	WBAP-5 TX T	1259	CKPR-2 ON
	"10" WTVJ-4 FL		"vy messy situation through 2100 #/many stns, many unids"	1323	WOI-5 IA
13	2023 ICR2-5 Cuba				WMT-2 IA
	10 55 KATV-2 AR			1400	KTCA-2 MN T
	16 57 KARK-4 AR	2120	KCKT-2 KA	1557	WPBT-2 FL
	1900 KFW-2 TX		KARK-4 AR		WTVJ-4 FL T
15	1710 KATV-2 MC	2200	WVL-4 LA	1712	WFTV-5 FL T
	1721 KCT-2 S.	2308	KTEW-2 OK		CJCB-4 NS
	1900 WB-2-2 LA	25	2136 WBRZ-2 LA		CJCH-5 NS T
16	0 31 WFTF-28 NC	28	2001 KARK-4 AR		CKCW-2 NB T
	0838 Unids 41 VA		2040 WASH-2 FL	1800	WTVY-4 AL
	"this was // to WVPT-51 which was later IDed. Can't find any reference to it- repeater?" (WLAB Culpeper, VA is likely, ed)		2200 WBRZ-2 LA	July	
	0840 WAG-25 MD		KSNB-4 NB	1 Es	1106 WBRZ-2 IA
	0930 WFL-51 VA	29	"many upper midwestern stns. in as well, though all not positively IDed, MN,SD,NE likely"		1128 WVL-4 LA
	1112 WFB-31 MD		1713 KARK-4 AR		1152 WKRG-5 AL
	1330 WYAH-27 VA		1729 WBBM-2 IL T		1300 WTVY-4 AL
	"In all day"		1736 WDAF-4 MO	2	1650 WBRZ-2 LA
23	Es 1124 KTCA-2 MN T		1800 KTVI-2 MO	3	2029 WBRZ-2 LA T
	WCCO-4 MN T		2002 WOI-5 IA T	5	1731 CJCB-4 NS
	1223 WMT-2 IA	30	KTIV-4 IA T		CJCH-5 NS
	WBY-2 WI T		WMT-2 IA T		CKBT-5 NS
24	1844 ICR2-4 Cuba		"Unids 2,4,5"	1744	CKCW-2 NB
	1328 ICR2-2 Cuba		0956 WSB-2 GA		Moncton
	1353 WPBT-2 FL		1003 WRBL-3 CA T		CBIT-2 NS
	1507 WTVJ-4 FL T		1028 WAGA-5 CA	1745	CFCL2-2 ON
	1630 WBRZ-2 LA		Atlanta		Rearus
	1815 ICR2-5 Cuba		1045 KEIS-2 AR	1800	CFBAT-5 PQ
	"in color"		1107 KARK-4 AR		Chibougamau
	1846 KEIS-2 AR		KFSM-5 AR T		"after seeing the power listed in Stn Guide, I have my doubts as to the validity of this reception"
			1155 CHFD-4 ON	1810	CKPR-2 ON
			WCCO-4 MN T	1902	WCCO-4 MN
			"unids 2,4,5"		KTCA-2 MN T
				1905	KSTP-5 MN
				1918	WBY-2 WI
				1930	KILN-3 MN
					Duluth
				2000	KTIV-4 IA
				7	0955 KCKT-2 KA
					1440 KEIS-2 AR
					1450 WBRZ-2 IA
					1510 KARK-4 AR
					1555 KTCA-2 MN
					1700 KUSD-2 SD

"The Es season through May and most of June was absolutely dismal with very few openings noted here. However the last few days of June and the first few in July have exhibited some pretty decent openings including two to Atlantic Canada which was not received here at all back in 1978. Several new stns have been received by Es in the last few days."

Robert S. Ross VE3JFC Box 472, Stn. C London, ON (EDT)

June		12 0045		28 2330	
4	0115 CKCN-19 ON	20	0300 WJRT-12 MI	2350	WJAH-17 OH
	poss. XLTR ?	27	0100 WLIO-35 OH	2326	WJLN-54 PA
12	0027 CBLFT-68 ON		0105 WXYI-25 MI	2330	WSEE-35 PA
	0029 CBLFT-78 ON		0108 WAKR-23 OH	2349	WNED-45 OH
	0030 WUAB-43 OH	28	2230 WBGU-57 OH	2350	WNCN-27 OH
	0031 CKOD3-42 ON		2234 WFFT-55 IN	29	0001 W47AB-47 OH
	0032 CICO-28 ON		2250 WANE-15 IN		0006 CITY-79 ON
	0033 WEMS-5 OH		2320 WPTA-21 IN		

"No Es in this month's loggings but a few tropo openings here during June. Have some Es openings occurred today July 2 but will be in my next report. Present log total 86 stns heard. 39 stations verified. ?)

Paul Gaines 15920 Puritan St. Detroit, MI 48227 (EDT)

May		10 Es		22 Es	
9	2251 Es KXAS 5 TX 1000	2112	WUFT-5 FL 905	2210	WEDU-3 FL 1000
10	2250 WFTV-5 FL 1110		2124 WEDU-3 FL 1000	June	
		18	1201 KARD-3 KA 810	1 Es	1020 KTXT-5 TX 1160

PAUL Gaines continued

<u>June</u>		30	Es	1711	<u>CBIT-5</u>	Nb	1250	13	Tr	0244	WTTV-4	IN	255				
1	Es	1027	KENW-3	NM	1200	Sydney			14	0205	WTTV-4	IN	255				
		1040	KBTX-3	TX	1070	<u>July</u>			15	0205	WOWK-13	WV	280				
		1128	KXAS-5	TX	1000	1	Es	1141	*PTV-5	FL	1110	Ms	0425	WGBS-2	NY	490	
		1148	KMMB-5	NM	1335			1231	*CIX-6	FL	1170	Es	2145	Unided	5, Sw		
		1223	KALZ-6	TX	1000	2		1250	KRGV-5	TX	1380	17	Tr	0212	WOWK-13	WV	280
			Wichita Falls					1308	KENS-5	TX	1220	18	Tr	0147	WOWK-13	WV	280
		1302	KOCO-5	OK	955			1312	Unided	6, NBC		20	0156	WTVW-7	IN	375	
		1330	KTVQ-6	KA	930				"Susp. Temple"					Evansville			
			Dodge City					1313	KBTX-3	TX	1070	Es	1333	Unided	5, one		
		1356	KOAA-5	CO	1145			1447	KATC-3	LA	970			ABC, SW			
		1408	KFMA-6	CO	1125	3	Tr	0221	WTHI-10	IN	290	Tr	2250	W47AB-47	OH	115	
		1429	KYCU-5	WY	1090			0254	WTTV-4	IN	255	21	Es	2059	WPTV-5	FL	1110
		1433	KTV3-3	CO	1025	7	Es	1018	KXAS-5	TX	1000	2101	WQIX-6	FL	1170		
2	Tr	0932	CHCX-12	ON	270			1532	Unided	3, NBC, ABC				Unided	5, "Up-		
		0939	*64AK-64	OH	125				Unided	5, ABC, CBS				stairs-Downstairs,			
3		2116	*64AK-64	OH	125	Tr	2150	*47AB-47	OH	115				not U.S. or P.R."			
8	Es	2257	KRGV-5	TX	1380			2302	*64AK-64	NY	180	Tr	2324	W47AB-47	OH	115	
10	Tr	0207	WOWK-13	WV	280			2348	*47AB-46	NY	180	22	0429	WTTV-4	IN	255	
		0336	WSAZ-3	WV	280	8		0152	WOWK-13	WV	280		0440	WSAZ-3	WV	280	
20		0215	WOWK-13	WV	280			0441	WSAZ-3	WV	280		0836	WTJ-10	PA	275	
24	Es	1906	*KRGV-5	AL	855			2221	*47AB-47	OH	115	23	0145	WOWK-13	WV	280	
		2047	KAL-6	LA	905			2236	*64AK-64	OH	125	24	0213	WOWK-13	WV	280	
		2056	WUPT-5	FL	905	10		0211	WOWK-13	WV	280		0241	WTTV-4	IN	255	
25		2300	KBTX-3	TX	1070			0236	WTTV-4	IN	255		0309	WILK-11	WI	275	
26		1559	KENC-6	TX	1220	11		0226	WTHI-10	IN	290	25	0211	WOWK-13	WV	280	
		1613	KRIS-6	TX	1280			0229	WOWK-13	WV	280		0244	WTTV-4	IN	255	
28		1332	WEDU-3	FL	1000			1235	WDTV-5	WV	270		0249	WILK-11	WI	275	
	Tr	2229	*47AB-47	OH	115			1314	*WLT-5	OH	235	27	0211	WUPT-10	MI	285	
29	Es	1426	KENS-5	TX	1220	12		0212	WOWK-13	WV	280		0213	WOWK-13	WV	280	
30		1103	KENS-5	TX	1220			0306	WTTV-4	IN	255		0302	WTTV-4	IN	255	
		1115	KXAS-5	TX	1000			2121	*47AB-47	OH	115		1115	*64AK-64	OH	125	
		1201	KENW-3	NM	1200	13		0212	WOWK-13	WV	280						
		1657	CJCH-5	NS	970												

Paul E. Petosky Box 51 Trout Lake, MI 49793 (906) 569-3311 (EDT)

<u>From Manising</u>				29	Es	0134	KTVQ-2	MT	1099	19	GW	0000	CICO-20	ON	40		
<u>June</u>					Tr	0145	CKGO-13	ON	290				Sault Ste. Marie				
5	Es	2030	KOAA-5	CO	1039	0200	WILX-10	MI	271	0100			CBLEF1-7	ON	240		
			Pueblo			0220	CKSO4-10	ON	250				Sturgeon Falls				
			Unideds	2 & 4		0220	CKSO3-11	ON	290				CBLEF2-13	ON	190		
9	Tr	2300	WLEF-36	WI	183	0225	WTMJ-4	WI	257				Sudbury				
			Park Falls			<u>July</u>							CBLEF3-9	ON	232		
15	Tr	0155	WBAU-13	WI	260	2	Es	2200	WTHS-2	FL	1398		Timmins				
		0202	KAAL-6	MN	374	5		1828	WGBS-2	NY	673		Unided 8, same				
			Austin					1800	KYV-3	PA	648		CB as the other				
		0215	KSTP-5	MN	324			1900	WCAK-3	VT	578		3 above				
		0227	KBJR-6	MN	260				Burlington								
		0235	WQWT-6	NE	588	10	Tr	0200	WKZO-3	MI	264	24	Es	0125	CHNB-4	ON	304
			Omaha			11		0052	CKCO2-2	ON	212			2000	WSAV-3	GA	987
		0308	WMT-2	IA	400			0350	CKGN6-6	ON	305			1900	WEDU-3	FL	T
		0330	WBBM-2	IL	315			0400	WJBR-2	MI	282	25	Tr	0050	CKCO2-2	ON	212
<u>From Trout Lake</u>					12		0120	CKNX-8	ON	240	26		0030	WBAU-13	WI	260	
<u>June</u>							0125	CHNB-4	ON	304				"Snow Free"			
28	Es	0019	CKCK-2	SA	922	13		0115	WXYZ-7	MI	282			0030	WSAU-7	WI	256
		0029	KRTV-3	MT	1156				WDIV-4	MI	282			0035	WTCN-11	MN	400
		0102	KTVQ-2	MT	1099			0105	CKNX-8	ON	240				"Snow Free"		
	Tr	0129	WSAU-7	WI	256												

Donald E. Rutland 4448 66th Place Kenosha, WI 53142 (CST/CDT)

<u>February</u>														23	Es	0551	*KRN-27	OH	380	24	Es	1900	*WPTV-5	FL	1190	
25	Ch	1	W, WFF-39	LA	70												2000	KATC-3	LA	900						
27	Tr	0530	WHAQ-11	KY	330													WEDU-3	FL	1070						
			*LKY-32	KY	330																					
<u>March</u>														22	Es	1830	WEDU-3	FL	1070	<u>July</u>						
22	Tr	0570	WHA-11	KY	330																					
			*LKY-32	KY	330																					
<u>April</u>														24	Es	1800	WBAV-3	CA	830	<u>August</u>						
23	Tr	0525	WHD-13	IA	310																					

*Log remains at 472. As you can see, I have not been very active this year. Between

Donald B. Rutland Continued

work, family, and an intensified effort to improve my golf game (HI !!), there has been little time for DX."

walter W. Wesolowski 209 Glenview Elmhurst, IL 60126 (CST)

March	May	June
12 Tr 1406 WTTV-4 IN 170	11 Tr 2030 WMTV-15 WI 115	1 Es 1000-1400 MUF 6
20 0450 WILX 10 MI 180	2400 WHA-21 WI 115	5 1900-2000 MUF 4
April	15 2100 WWRP-39 IL 75	July
8 Es 2030 KIII-3 TX 1075	22 Es 1900 Unided FL	5 Es 1830 CHSJ-4 NB 1100
	2001 WEDU-3 FL	1840 WCAX-3 VT 750
	2050 WTVJ-4 FL 1200	13 Tr 2400 KDLB-40 IA 150
	2100 WCIX 6 FL-1200	

"As you can tell from Mailbox, I've had two address changes in one month. Attempted to return to old CH in Wis., but didn't work out. Obviously, equip. has been in limbo during moves and report not quite as full as others. May 22 opening showed an unided on Ch.2 with the words "Picture Interference" superimposed over picture (?). As seen by Kramer's report, the June 1 Es was mighty nice, but unfortunately I was at work and couldn't DX. How aggravating, as I am a TV serviceman running home service calls !!!"

Marvin Shults R.R. #1 Toulon, IL 61483 (CDT)

June	14 Tr 1210 IPBN 21,27,32,36	25 Es
1 Es 0900 KMID-2 TX	1229 KNTV-7 NE	1159 WEDU-3 FL
Unided 3+ NBC	1305 KSFY-13 SD	1200 WESH-2 FL
0959 KNME-5 NM	1329 KTVH-12 KA	1230 ICR-3 Cuba
1259 KWGN-2 CO	1400 KTSB-27 KA	ICR-5 Cuba
1300 KMYA-6 CO	2200 WTCN-11 MN	1243 ICR-2 Cuba
1309 KREX-5 CO	0350 KCMO-5 MO	26 1738 XEPM-2 Chih T
1312 KOA-4 CO	0757 WHAS-11 KY	29 0730 WTHS-2 FL
1315 KTVS-3 CO	0758 WKY-32 KY	0800 WPBT-2 FL
2258 KOAI-2 AZ	0800 WFTD-14 IN	0830 WESH-2 FL
2301 XEPM-2 Chih T	20 GW 0700 K3SAB-38 IA	0930 CBFT-2 EQ
2 1200 KUTV-2 UT	Ft. Madison	1145 KWGN-2 CO
8 1700 XHRIG-2 TAMs	XLTR IPBN	1158 KUTV-2 UT
XEFT-3 NL	0800 WARD-12 WI	1159 KSL-5 UT
1958 KENW-3 NM	21 Es 0045 X---2 SS	1200 KTVX-4 UT
1959 KWAB-4 TX	1130 KTWO-2 WY	1230 KWGN-2 CO
2000 XEW-5 Chih	KYCU-5 WY	1258 KOAI-2 AZ
XEPM-2 Chih	1137 KWGN-2 CO	1330 KPRC-2 TX
2007 KDBC-4 TX	1224 KTVQ-2 MT	2058 WPBT-2 FL
2029 KAVE-6 NM	1259 KYUS-3 MT	2059 WESH-2 FL
2130 KAGB-3 TX	1300 KRTV-3 MT	30 0929 WCBS-2 NY
2151 KMID-2 TX	1429 CKCK-2 SA	WGBH-2 MA
2200 WERZ-2 LA	22 Tr 0859 KXCH-5 SD	1058 CHSJ-4 NB
2217 KENS-5 TX	23 Es 0959 WGBH-2 MA	1100 CKCW-2 ME
2218 KNME-5 NM	24 Tr 0830 WCET-48 OH	1159 WLBB-2 NB
14 Tr 1200 KHNE-29 NE	Detroit 50,62	1200 WABI-5 ME
1205 KINE-10 NE	0859 WDHO-24 OH	1230 CJCH-5 NE T
1205 KGIN-11 NE	WGTE-30 OH	1246 CHAU-5 EQ T
1208 WONT-6 NE	0900 WUAB-43 OH	1300 CJBRT-3 EQ
1210 KMEG-14 IA	25 Es 1149 WTHS-2 FL	1345 CBFT-2 EQ

"For the benefit of fellow E-skip DXers, KTVO-3 Kirksville-Ottumwa has dropped their old station ID in favor of "Your Friend 3". WARD-17 Decatur is now on the air with 5 megawatts at 1314' from their XNTR site at Argenta, IL. I am now in the unenviable position of being able to receive 4 ch. 38's most of the time- Green Bay, Chicago, Terre Haute, and now Ft. Madison, IA. During the June 25 E-skip opening to Cuba, I was receiving the same SS musical movie from both ICR 5 Santa Clara and ICR 2 LaHabana. I believe that XHRIC is the correct call for Matamoros on 2. Their schedule for a Friday (June 8) was as follows: Ending at 1700 CDT English cartoons, 1700-1800 Bonanza, 1800-1830 ? 1830-1900 Hop-a-long Cassidy, 1900- ? TV 2 Movie. All of the above programs were in English. I have heard no Spanish on this station. 73's Marv.

Robert Kramer 3406 W. Pierce Chicago, IL 60651 (312)-235-5188 (CDT)

July	21 Tr 0235 WSAU-7 WI 220	23 Tr 0508 WTVS-56 MI 220
14 Tr 0118 WKEF-22 OH	23 0441 WSPD-13 OH 220	0515 WHAS-11 KY
0130 WKY-32 KY	WTOL-11 OH 220	0528 GKCO-342 OH
Ft. Wayne	WKY2-7 MI 240	0530 WEYI-25 MI 220
"Snow Free"	0452 WHIO-7 OH	WKED-50 MI 240
Es 1930 WJXT-4 FL T	WDHO 24 OH 220	"Local Grade"
16 2130 KID-3 ID	WCPO-9 OH	0623 KYIN-24 IA 309
2139 KDUH-4 NE	0508 WXON-20 MI 240	0740 WHEM-20 WI 220

Robert Kramer continued

July	27 Tr 0112 WKRN-27 OH 349	7 Tr 2125 WHWC-28 WI 310
23 Tr 0800 WGRN-62 MI 240	Youngstown	Colfax
24 Es 2148 KENW-3 NM	0500 WUAB-43 OH 293	WLEF-36 WI T
2218 KFDX-3 TX	0541 WPLI-21 OH 347	WHFR-20 WI 220
25 Tr 2244 WNMU-13 MI 335	Youngstown	2130 WJOW-19 WI 240
26 1800 Severe OGI on	0549 WGTU-29 MI	"Snow Free"
locals 5,7,11,	0630 CICO-52 OH 287	2151 WFLA-31 WI 240
38	Chatham	"Snow Free"
1830 WUCW-19 MI	0640 WQIN-54 PA 398	2230 WBAU-13 WI 288
1905 W2AJ-72 MI 288	"Snow Free"	8 2050 WIPB-49 IN
Escanaba	Es 2058 KIII-3 TX	2120 WBGU-57 OH 200
XLTR WLJK-11	2100 KMOL-4 TX	"Snow Free"
1906 W76AI-76 MI 288	2146 KFDX-3 TX	2332 WJLO-35 OH 200
Escanaba	2154 KENW-3 NM	9 0010 WUAB-43 OH 293
XLTR WLWC-6	29 Tr 0840 WIPB-49 IN	Pt. Wayne
2022 WDHO-24 OH 220	"Snow Free"	"Local Grade"
WQIN-54 PA 398	Es 1855 KOTA-3 SD	0035 WJHO-24 OH 220
Erie	August	0058 WSPD-13 OH 220
2025 WBGU-57 OH 200	2 Es 1846 KGBT-4 TX	10 Es 1722 WJL-4 LA
2104 WGTU-29 MI	2024 KIII-3 TX	1730 KATC-3 LA
2349 W78AJ-78 WI 145	4 Tr 0120 WBAU-13 WI 288	1800 KAMR-4 TX
Sheboygan	0205 WSAU-7 WI 220	1919 KENW-3 NM
XLTR WBAU-2	"Snow Free"	2000 KDPW-4 TX
27 0035 WJLO-35 OH 200	7 Es 1800 KIII-3 TX	2030 KENW-3 NM
0046 WUAB-43 OH 293	Tr 2111 WSAU-7 WI 220	2037 KAMR-4 TX
Lorain	"Wiping out	
	local WIS"	

"I finally got to see what the new antennas could do starting in late July, when tropo began to pick up. The July 26-27 opening produced 8 new stations, plus photos and tape recordings. It also produced much improved signals over what I was able to get with the old set-up. Hopefully the tropo will be as good in late August as the early part of the month seems to indicate. Boy has the akip been weird this year. In the Chicago area, the peaks have been in May and August, usually the fringe periods. I just hope F2 will produce some good DX this fall, making up for the very poor season this summer. 73."

Larry Van Horn 7870 A Corsair Millington, TN 38053

May	24 Es 1049 WUND-2 NC	(CDT)	(901)-872-7116
23 Es 1100 CBFT-2 FQ	1130 KCKT-2 LA	June	
Tr 1427 KETS-2 AR	1210 KPRY-4 SD	8 Es 2200 KOA-4 CO	
Es 1740 Unided 2, record	1215 KXJB-4 MD	July	
promotion to Mc-	2030 Unided, KT??-2	6 Tr 0143 WTVF-5 TN	
Allen, TX PO Box	"NBA playoffs"	7 Es 1507 Unided 4 CBC	
1750 Unided 2 NBC	Tr 2150 WMAV-18 MS	1510 Unided 3, 3 stns	
1941 Unided 2 CBS	2200 KTEJ-19 AR	NBC, ABC, CBS	
24 Tr 0727 KTHV-11 AR	Es 2228 KWGN-2 CO	8 1443 XEW-2 Mex	
0820 WTVV-9 MS		Tr 2127 WMAV-18 MS	
		9 0130 KATV-7 AR	

"All DX received on a Sears 7" portable with indoor 38" whip. I've been shooting pictures of all with my Canon FTb 35 mil. Hope they all come out. This being my first season I'm quite suprised with this primitive setup just what can be seen. I will be glad to get some outside antennas to improve reception and cut down Unideds. Gayle (my wife) in hospital with harmonic due any day now. 73's to all and here's hoping you all have the best of DX."

STATION BREAK

WTFDA Headquarters
Post Office Box 97
Calumet City, IL 60409

WTFDA member ads only. 3 line or 30 word limit.

WANTED - Old TV GUIDES for personal collection. Jeff Kadet, P.O. Box 90, Rockville, MD 20850

WANTED - Tuneable 30-50 MHz receiver (no scanners). Would prefer rarer model covering 30-54 MHz! write with description and price soon—getting desperate! John F. Combs, 2485 Ivan Ct., Orlando FL 32807.

Your non-commercial ad can appear in the WUD free of charge! Got a piece of gear you'd like to sell? Looking for something? Advertise in STATION BREAK.

WESTERN TV-DX

September 1979

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

Deadline: 5th

A rather uneventful month here and apparently elsewhere as evidenced by the lack of reports.

New _____ New Mode _____ Tentative - t Unidentified - unid

Leo Boehl, 622 W. Koenig, Grand Island, NE 68801

CDT

Equipment, CM Quantum 1112 @ 35', GD AR22XL rotor, CM 0263 preamp, Jerrold MATV amp (15db), RCA Selectavision VCT-200, Sharp 19" color, (Zenith still down!)

June 1979

3 Es 0600 WJBK 2 MI 725
July 1979

July 1979

2 Es 1200 WRBL 3 GA 840
1200 WEDU 3 FL 1135
3 Es 1857 KOTI 2 OR 1080
10 tr 0145 WOI 5 IA
12 Es 1715 unid 2 Canada
1720 WGR 2 NY 910

July 1979

12 1720 MUF went up to
ch. 3, but no ID's

1 tr good out to 250 mi.
KOAM thru KFTV quite
well at 0000, none new
2 Es 1145 WBRZ 2 LA 750

Loggings marked
with asterisk are on
video tape.

Buck Battin, 4305 Pitt St., Duluth, MN 55804

CDT

Saw absolutely no tropo during July, but as July's go, Es wasn't that bad, and I managed to log four new stations, bringing my Duluth log total to 256. That's only stations, by the way. I don't DX translators.

Today (Aug 1) was a day of celebrating because I just sold my first novel. (nice going, fm) If any of you out there like horror stories, it's entitled SATAN, HELP ME! and will be published in a few months by Major Books.

July 1979

2 Es 1558 WOBI 4 MS 945
1559 WMAB 2 MS 960
7 Es 1225 WPMY 2 NC 1000
16 Es 0958 KARK 4 AR 840
1000 KPRC 2 TX 1200

20 Es 1157 WJXT 4 FL 1295
24 Es 1830 WESH 2 FL 1410
27 Es 1830 WDIQ 2 AL 1125
1832 WCBF 2 SC 1180
29 Es 0051 KCPX 4 UT 1080
0134 KYGU 5 WY 745

29 Es 0142 KUTV 2 UT 745
0145 KSL 5 UT 1080
0200 KWGN 2 CO 820
0225 KOTA 3 SD 575
0230 KID 3 ID 1010

May the mother duct of them all find your antenna.... Buck

Fred McCormack, 909 12th St. N, Fargo, ND 58102

CDT

July 1979

14 tr 0742 KQSD 11 SD 189
0800 KMEG 14 IA 301
0829 KYIN 2 IA 308
Es 0929 WGR 2 NY 936
1028 WPSX 3 PA 992
1039 unid 5 CBS
1130 WMAR 2 MD 1137
15 Es 2159 KOAI 2 AZ 1120
2200 KTVK 3 AZ 1230
(MUF 101.5 @ 2201)
16 Es (MUF 104.7 @ 2134 TX)
19 Es 2243 unid 2 se
20 tr 0913 K57AS 57 MN 114
K59AX 59 MN 114
0939 CBWCT 5 ON 189
Es 1359 WPSX 3 PA 992
2217 unid 2 w
24 Es 2030 WKTV 2 NY 1095
2054 WCBF 2 NY 1208
2054 WGR 2 NY 936
2141 CFAC 2 AT 841

July 1979

24 Es (MUF 94.5 @ 2203)
25 Es 2235 unid 2 w
27 AE 0100 WSYR 3 NY 1044
0125 unid 2 Canada
Es 0930 KMID 2 TX 1061
KENW 3 NM 965
(MUF 99.1 @ 1906 GA)
28 Es (MUF 107.7 @ 0908 OH)
0943 WTTG 5 DC 1133
(MUF 106.1 @ 0945 MD)
1158 CBFT 2 PQ 1109
1923 CJBRT 3 PQ 1299
1959 WKTV 2 NY 1095
2032 WSYR 3 NY 1044
(MUF 104.3 @ 2043 NY)
2131 WCBF 2 NY 1208
2329 WSKJ 2 TN 1007
29 Es 0100 KWGN 2 CO 649
0100 unid 5 sw
(MUF 98.5 @ 0104)
0158 KUTV 2 UT 878

July 1979

29 Es 1029 WEAR 3 (AL) 1223
1225 WCBF 2 SC 1312
(MUF 89.7 @ 1229)
1600 WRAL 5 NC 1217
WSAZ 3 WV 936
(MUF 88.9 @ 1603)
1627 WPMY 2 NC 1149
1648 WGR 2 NY 936
(MUF 104.7 @ 1914 AL)
1927 WEAR 3 (AL) 1223

August 1979

3 Es 1000 KBTX 3 TX 1121
1029 KENW 3 NM 965
1030 KENS 5 TX 1218
(MUF 93.1 @ 1040)
1248 KOAI 2 AZ 1120
5 tr 1859 KUSD 2 SD 264
2100 KYIN 24 IA 308

VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 5th of month

SEPTEMBER 1979

The following TV off-set information was supplied by Roger Bunney

Ch I-A (Italy) (video erp)
53.742 Monte Nerone (34 kw)
53.758 Monte Caccici (34 kw)
53.758 Monte Cammarata (Sicily) (35 kw)

53.756 Gort, Eire (80 kw)
(Ch B, video)
48.244 Muro, Portugal 40 kw)
(video)

BBC Ch B-2 video.
51.742 Rosemarkie (20 kw)
North Hessory Tor (14 kw)
Swingate (1.4 kw)
51.750 Holme Moss (100 kw)
51.758 Londonderry (1 kw)
51.801 Oxford (0.7 kw)

Chinese (mainland) (vid/aud)
C-1 49.75/56.25 C-5 85.25/91.75
C-2 57.75/64.25 C-6 93.25/99.75
C-3 55.75/72.25
C-4 77.25/83.75

Ch 32 Gwelo, Rhodesia (20 kw) Ch E3 Sokoto, Nigeria
Ch E3 Tenerife, Canary Is. (350 kw)

From the Broadcasting Corporation of New Zealand (as of Jan 1978)

locations of Ch 1 transmitters audio frequencies (video $\frac{1}{2}$ MHz lower)
audio ERP is 10% of video given) (antenna height m, site m.s.l.)



- a) 50.74 Te Aroha (100 kw) (126/944)
- b) 50.76 Whakapunsake (5kw) (65/943)
- c) 50.75 Kaukau (100 kw) (122/425)
- d) 50.76 Mt. Murchison (2kw) (52/1471) x
- e) 50.74 Punakaiki ($\frac{1}{2}$ w) (7/30) x
- f) 50.74 Southshore (50 w) (28/1) x
- g) 50.76 Mt. Pearce (40 w) (35/736) x
- h) 50.74 Mt. Studholme (100w) (4/1088) x
- i) 50.75 Hedgehope (100kw) (117/644)

x - translator

Mt. Studholme & Southshore are Net 2,
the others are Net 1

Net 1 Trade Test Transmissions Mon-Sat 2130-2315 z
Sun nil

Programming Mon-Thu 0000-1110
Fri, Sat 0000-1200
Sun 0000-1110



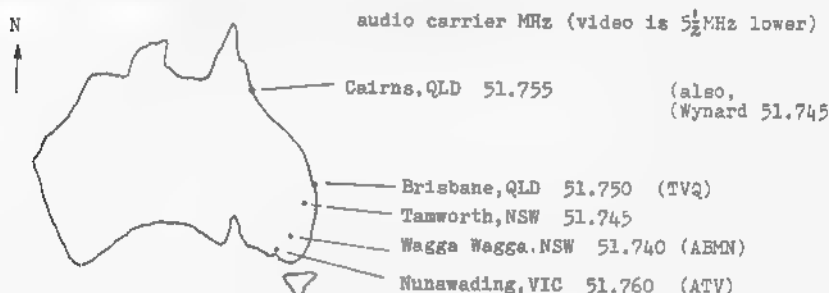
John Holbrook, 11 Chestnut St., Chevy Chase, MD 20815, U.S. QSLed only
 11 11 30 4 30, Julie, IL state police, 500 watts,
 11 11 30 4 30, Elwood, IL " "
 11 11 30 4 30, Oak Grove, IL (sheriff, 100 watts)
 11 11 30 4 30, Vivian, " (police, 100 w)
 11 11 30 4 30, Shreveport, (sheriff, 50 w)
 11 11 30 4 30, Farmerville, " " , 100 w)

The following information is from the July issue of Amateur Radio Action VHF News column (conducted by VK3CT)

Korean signals-

3.765 K.B.S. (Seoul)	46.10 R. Korea (overseas ser.)
43.30 K.B.S. 2nd channel	46.30 HLKQ
44.90 HLKN	46.00 HLKA
45.30 HLK1	48.30 HLKN
45.50 R.Korea (overseas ser.)	48.30 HLKF (HNQX ?)
45.70 HLKB	

Australian Ch 0 is 'or as they prefer, "Channel 0h")



et al.:

53.750 Malaysian TV audio

VHF FM links for MF stations in Japan (NB, Japan TV Ch 1 is at 90-96 MHz):

55.07 50w FM, 5 NHK links (including Abashiri)
 55.73 100mw FM, NHK
 50w F3, 200F9, NHK (Abashiri, et al.)
 57.47 50w 200F3, 200F9, F3, (NHK (Miyako to Iwaizumi))
 58.13 50w F3, NHK (Abashiri to Kitami)
 60.2 50w F3, NHK (Fukushima)
 60.29 50w F3, NHK (2 links, also Tokai Radio)
 63.17 50w F3, 200F3, 200F9 (5 links) SBC (200F3 is a wide
 63.29 50w F3, SBC ((stereo) band voice
 63.83 50w F3, 10w F9, NHK (14 links) (200F9 is a wide
 65.15 F3, 200F3, 200F9, NEK (10 links) (band telemetry
 65.39 F3, 200F3, 200F9, SBC and SUT (14 links)
 56.09 Radio Gifu, F3 50w
 Radio RKK, Kimpozan, 50w F3
 Nakayama-Makimiya, 150w F3 link

The column also contains, besides amateur radio DX on VHF a good bit of TV DX reports (F2/TE) - too much to summarize here.

As mentioned in last month's column, I have had a 3 week visit to the Brisbane area of Queensland in Australia. (Jul 11-Aug 2)

The remains of Skylab arrived well under 24 hours after I did. However, that was nearly 2000 miles to the west of Brisbane though on the prior orbit it went nearly overhead. Got a lot of the mw nx taped on it. --- The TV and FM aspects of what I was able to do will be sent to Ken Simon in the near future. But since the Ch O there does get easily noticed on 30-50 MHz receivers, I'll mention it here. Most of the time I was about 8 miles from the 100-kw transmitter. I did get to visit the site (a 200-meter mountain with about a 350-ft tower, several others in the vicinity). Dropping a QSL card for my April 6th (GMT) reception of them in TX is probably still causing comment there!

Ch O comes on with test card and music weekdays at 0615 AEST (GMT+10) with programming at 0700. Very early compared to the others. Saturday 0730/0800 and Sunday 0830/0910. Sign-off varies from 2350 to 0045. With a 45-52 MHz channel a good bit of spectrum is chewed up by the video products (seemed to be a peak near 50.7 area as well as 46.25).

In the rest of the low-VHF band not much was found. There are tone/voice pagers in the 40-MHz area. Checking a March 1970 newspaper file I was able to deduce that the 40.25 apx police I heard discussing a royal visit were in New Zealand. They've been noticed several times since.

Allied A-2586 with various short 'long wires'. Icom IC-502 with whip for 50-51 MHz. AEST used, all F2 mode unless noted * Es

7-15 (about 100 km sse Brisbane)

1030 50.74/.75/.76 New Zealand (TV audio) *

7-21 (in nw Brisbane)

0810 KUC915 35.22 San Antonio, TX (tone pager)

0838 KIN645 " Miami, FL " "

7-24 (in Miami, QLD apx 100 km sse Brisbane) (about 250 meters from beach)

0900 apx KIY508 35.22 Orlando, FL (tone pager)

7-27

0745 lots of unID 35's with unID non English to 39's

0814 KJU806 35.58 Oxnard, CA (tone pager)

many unID US mobile-phone systems

0849 KIY508

7-28

1400 36 & 37 multiplex signals (likely US forces Pacific)

1410 hi-39 or low-40 Russian

1527 KLF527 35.22 Honolulu, HI (tone pager)

7-29

0826 - 35.--- Los Angeles, CA (mobile phone)

7-31 (back in Brisbane)

0832 KOE257 35.22 Phoenix, AZ (tone pager)

1426 KLF527 tentative

on most days between 08 & 10 some sort of US activity could be noted on 35 MHz. However, by and large the simple nature of the 30-50 receiver taken and the various man-made noises (power lines and appliances; it is weird to know that the only power line between yourself and New Zealand is acting up) did prevent the more comprehensive monitoring survey that I had planned for from being successfully completed.

On the Jul 21 loggings, I first thought I had KEC915 (I didn't take my list!). Upon getting back here it looked like it might be KEC925. It was only when I re-played the tape a few times that it hit me...I got my first pager ID from here!

July solar flux avg 167 (smoothed 167 for Jan)...Swiss predictions may indicate the Cycle has peaked...mid-July 43-MHz tropo duct from CA to HI...late July 50-MHz report of FL to HI, Cook Island, and Samoa...e. CA Aug 7 01z 45.25 NZ TV video, and 33z again plus faint 46.25 Aust. ...early Aug Hawaii 50-MHz to the Marshall Islands and Tokelons & 52 to VK4 ...due to power crisis NZ TV may not be on to 33z or so. FV7THF fsk beacon 50.096 into San Antonio Jul 8 1035z via 3Es French Guyana).



STATISTICS

Mike Reid, 11/10/80

Fred McDermott, 11/10/80

11/10/80

11/10/80

11/10/80

11/10/80

11/10/80

11/10/80

11/10/80

11/10/80

11/10/80

11/10/80

73's Live

32Alive
WFLD-TV CHICAGO



12ALIVE
KTAR-TV PHOENIX-MESA

9 ALIVE
WNCT-TV

INTERNATIONAL NOTES from

per Simon
5354th Avenue South
LAKE WORTH FL 33460

PROGRAMS((TV))

ENVIADO POR LA TELEVISION
CUBANA)

VIERNES

● CANAL 2

12:30—Los Intérpretes
12:45—Radio Estudio
1:00—N.Y.
2:30—El tiempo meteorológico.
6:00—Para los Niños: "Pistoleros e
leados". I.D.A. "Como Pedro consi
guen a la Chica Inagua". "El
cuento que no quería dormir"
UTSS.

7:00—A la hora
7:27—En la mañana: Boletín In
formación del FV.
7:30—A la mañana: "La mañana con
C. C. C."
8:00—NTV
9:30—El día de la canción: "Los
cantantes". Grupo Guakán, Pa
ra el día de la
9:00—La Novela: "La familia". (Ca
nido 10).

9:27—En la mañana: Boletín In
formación del FV.
9:30—El día de la canción: "Los
cantantes". Grupo Guakán, Pa
ra el día de la
10:00—El día de la canción: "Los
cantantes". Grupo Guakán, Pa
ra el día de la

● CANAL TELE-REBELDE

11:30—Café
12:00—Meridiano: Grupo Colonial, Los
Din.

1:00—NTV
1:30—El día de la canción: "Los
cantantes". Grupo Guakán, Pa
ra el día de la
6:00—Café
6:30—De la mañana: "Los
cantantes". Grupo Guakán, Pa
ra el día de la

7:00—El día de la canción: "Los
cantantes". Grupo Guakán, Pa
ra el día de la
7:30—El día de la canción: "Los
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ra el día de la

7:30—El día de la canción: "Los
cantantes". Grupo Guakán, Pa
ra el día de la

Mexican information has been slim and hard
to come by since Genr. "M. S. JORDAN MARONIC"
LA BORLE... de Texas, and...but here are a
few tidbits:

*** Channel 2 in Matamoros is on the air,
mostly in English and with frequent ads for
records with McAllen, Texas, air uses. It
was monitored with a 3,4 Cl test pattern
and call KERIC.

*** Canal 13, the educational network, has
some new stations on using overlays to ID,
but no locations. John Combs has written
for info. Las logel XMAO on channel 4
and XHCB on channel 5.

*** Steve Wolf in Gainesville FL has logged
X14, on 3, in Oaxaca. This was formerly
listed as X14.

*** Some formerly mute stations are using
overlay IDs. These include: XHIA-2, XH2-3
and XH4-4.

FROM CUBA comes strange news, according to
the newspaper GRAFIA, only Canal 2 and
TeleRebelle are on. Has anyone seen a for
canal 2 station recently? Also, Dr.
Richard Wood reports seeing COLOR from Cuba
on channel 5.

And from Richard Clark in DOMINICAN
REPUBLIC comes some photo, of his locals
in 3000 Puerto Rican stations.
(See future P.O.D. NEWS columns.)

73's

Ken

SIMON

513 S 4th Ave. South
Lake Worth, FL 33460 U.S.A.

Cambia
para lo nuevo
del Doble Uno



ONCE





WORLDWIDE TV-FM DX ASSOCIATION

Post Office Box 97 Calumet City IL 60409 USA.

**TOUGH
TO BEAT!**

Established 1957

SERVING THE VHF UHF DX ENTHUSIAST



DUES: U.S. and CANADA, \$13 (via first class); overseas, \$18 (via air mail)

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A complete catalog can be obtained FREE from HQ.

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WTEFA Stationery.....Features official WTEFA emblem, as at the top of this page, printed in blue on bond. 40 sheets \$1.00

DX Log Sheets.....Pinched for a 3 ring binder. Great to keep DXers' running logs neat and orderly. pad of 100 \$3.50

VLD Boxers.....Attractive cases designed to keep copies of the VHF-UHF DIGEST organized. \$1.50 each

Station QSL.....For requesting QSLs (verifications) from TV and FM stations. Offset printed. 50 sheets \$2.00

DX Column.....For reporting to the DX columns printed each month in the VHF UHF DIGEST. FREE for a S.A.S.E.

All columns and feature articles to be printed in any VUD issue should be sent to editor Bill Thompson, 1907 Seneca Street, Buffalo, New York 14210. All information for VUD columns should be sent to the appropriate editors; all club business (supply orders, etc.) should be sent to HQ.

Manitoba

SEPTEMBER 1979

Brandon new Ch 21 CBWFT-10 5.5kw ex CBWFT (3) Winnipeg
 Foxwarren CKY-TV-1 (11) power from 6.6kw to 46.8kw.
 Minnedosa new Ch 2 Denied 100kw ex CKND (9) Winnipeg

Applications:

Mafeking CBWFT (2) wishes to introduce local programming from the studios of Western Manitoba Broadcasting in Dauphin

New Brunswick

Edmaston CBAPT-2 (13), formerly CBER-TV-1 power from 1.43kw to 8.5kw.

Applications:

Nequae CBAPT-3 (3) power from 550w to 45w.

Newfoundland

Ferryland new Ch 4 9.9w ex CBNT (8) St. John's
 Petty Harbour new Ch 13 2.7w ex CBNT (8) St. John's
 St. John's new Ch 12 Deferred 60w " " " " " "
 St. John's new Ch 4 Deferred 43w ex SRC via Anik
 The CBC wishes a study conducted to see if this relatively small city can be served without requiring so many transmitters. This has been going on for quite a while -- see Canadian News VUD May 77 page 34.

Nova Scotia

Bay St. Lawrence new Ch 13 9.9w ex CBIT (5) Sydney
 Digby new Ch 52 6kw ex CBET (3) Halifax
 Digby new Ch 58 6kw ex CBAPT (11) Moncton NB
 Dingwall new Ch 12 9.9w ex CBIT (5) Sydney
 Halifax new Ch 20 Denied to ATV
 Ingonish new Ch 2 8.9w ex CBIT (5) Sydney
 Middleton new Ch 9 17.2kw ex CBET (3) Halifax
 Middleton new Ch 46 120 kw ex CBAPT (11) Moncton NB
 Port Hawkesbury new Ch 3 5.6kw ex CJCE (4) Sydney
 Shelburne CBHT-2 changes from Ch 9 to 7 power from 423w to 8.4kw
 Sydney CBIT (5) power to 61kw
 Turo new Ch 12 9.4w ex CJCH (5) Halifax
 Valley new Ch 12 9.4w " " " "
 Yarmouth CJCH-TV-7 changes from Ch 13 to 40 power from 5w to 12kw

Northwest Territories

Tungsten new Ch 10 1w ex CBC Anik

Ontario

Armstrong new Ch 10 1w ex CKPH (2) Thunder Bay
 Armstrong new Ch 13 9.4w ex CBED (4) Thunder Bay
 Atikokan* new Ch 13 Denied 9.4w QTV network
 Atikokan* new Ch 4 Denied 5w Brough tapes
 Atikokan* new Ch 11 Denied 10 w Northern lights tapes
 Garamet* new Ch 4 5w Brough tapes
 Garamet* new Ch 4 3.5w TVO tape delay
 Chapleau new Ch 13 4.87w ex CBIFT (25) Toronto
 Chapleau* new Ch 3 Denied 5w Brough tapes
 Cochenour* new Ch 11 Denied 10w Northern Lights tapes
 Cochenour* new Ch 3 Denied 5w Brough tapes
 Dryden* new Ch 4 2.4w QTV network
 Dryden* new Ch 4 Denied 100w QTV network
 Dryden* new Ch 4 Denied 40w Brough tapes
 Dryden* new Ch 11 Denied 10w Northern Lights tapes
 Dubreaultville new Ch 7 10w ex CBIFT (25) Toronto

War Falls*	new Ch 7	9.4w	CTV network
War Falls*	new Ch 14 <u>Denied</u>	10w	CTV network
War Falls*	new Ch 4 <u>Denied</u>	5w	Brough tapes
War Falls*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
War Falls	new Ch 6 <u>Denied</u>	10w	TVO tape delay
Ft. Frances*	new Ch 4	9.4w	CTV network
Ft. Frances*	new Ch 25 <u>Denied</u>	100w	CTV network
Ft. Frances*	new Ch 4 <u>Denied</u>	5w	Brough tapes
Ft. Frances*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Geraldton*	new Ch 6 <u>Denied</u>	5w	Brough tapes
Geraldton*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Forne Payne*	new Ch 4 <u>Denied</u>	1w	Brough tapes
Forne Payne*	new Ch 8	9.4w	CTV network
Ignace*	new Ch 14 <u>Denied</u>	10w	CTV network
Ignace*	new Ch 4 <u>Denied</u>	5w	Brough tapes
Ignace*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Ignace*	new Ch 6 <u>Denied</u>	10w	TVO tape delay
Kenora*	new Ch 13	17.3w	CTV network
Kenora*	new Ch 21 <u>Denied</u>	100w	CTV network
Kenora*	new Ch 4 <u>Denied</u>	50w	Brough tapes
Kenora*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Ionias*	new Ch 4	5w	Brough tapes
Ionias*	new Ch 11	10w	Northern Lights tapes
Ionias*	new Ch 4	10w	Tape delay
Ionias*	new Ch 6	10w	Tape delay
Manitouawadge	new Ch 3 <u>Denied</u>	5w	Brough tapes
Marathon*	new Ch 8 <u>Denied</u>	5w	Brough tapes
Mattabi Mines*	new Ch 4	5w	Brough tapes
Mattabi Mines*	new Ch 11	10w	Northern Lights tapes
Moosonee*	new Ch 4	5w	Brough tapes
Moosonee*	new Ch 11	10w	Northern Lights tapes
Nakina*	new Ch 4	5w	Brough tapes
Nakina*	new Ch 11	10w	Northern Lights tapes
Nakina*	new Ch 4	10w	TVO tape delay
Nakina*	new Ch 6	10w	French tape delay
Pickle Lake*	new Ch 4	5w	Brough tapes
Pickle Lake*	new Ch 11	10w	Northern Lights tapes
Pickle Lake*	new Ch 4	5w	Tape delay
Rainy River*	new Ch 4	5w	Brough tapes
Red Lake	new Ch 12	9.4w	CTV network
Red Lake	new Ch 7 <u>Denied</u>	100w	CTV network
Sault Ste Marie	new Ch 26	1.2kw	ex CELFT (25) Toronto
Schreiber*	new Ch 6 <u>Denied</u>	5w	Brough tapes
Sioux Lookout*	new Ch 7	9.4w	CTV network
Sioux Lookout*			
Hudson*	new Ch 3 <u>Denied</u>	9.4w	CTV network
Sioux Lookout*	new Ch 4 <u>Denied</u>	5w	Brough tapes
Sioux Lookout*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Sioux Lookout*	new Ch 6 <u>Denied</u>	10w	TVO tape delay
South Bay Mine*	new Ch 4	5w	Brough tapes
South Bay Mine*	new Ch 11	10w	Northern Lights tapes
South Bay Mine (Township of Dent)*			
Terrace Bay*	new Ch 4 <u>Denied</u>	1w	Tape delay
Terrace Bay*	new Ch 11 <u>Denied</u>	5w	Brough tapes
Thunder Bay	new Ch ?	10w	Northern Lights tapes
Timagami	new Ch 15	14.2kw	ex CELFT (25) Toronto
Wawa	new Ch 16	7kw	ex CPNE-TV (4) North Bay
Wawa*	new Ch 4 <u>Denied</u>	5w	ex CELFT (25) Toronto
Wawa*	new Ch 11 <u>Denied</u>	5w	Brough tapes
Wawa*	new Ch 11 <u>Denied</u>	10w	Northern Lights tapes
Wawa*	new Ch 4 <u>Denied</u>	1w	Tape delay
Wawa*	new Ch 4 <u>Denied</u>	5w	Brough tapes

* The CRTC issued new guidelines for low power stations in remote regions, slightly easing the rules governing these stations. The stations are allowed where there has no TV or only a low power station. The transmitters carrying the CTV network there have been used for years of operation in those towns. If local ownership and operation were available, licences would be granted to Ignace, Nakina, Pickle Lake, South Bay Mine, Marathon, Mattabi Mines, Moosonee and Rainy River. If local ownership were not available, consideration (cont)

would be given to the applications from David Froush, Northern Lights and some others. (The bids for TVO tape delay stations were private.) Froush would be considered for Longlac, Nakina, Pickle Lake, South Bay Mines, Garamat, Mattabi Mines, Wonsonee and Rainy River. Northern Lights for Longlac, Nakina, Pickle Lake, South Bay Mines, Wonsonee, Mattabi Mines and other applicants for Longlac, Nakina, Pickle Lake, South Bay (Township of Dunt) and Garamat. It should be noted, however, that David Froush, at least, already has stations on the air and he has indicated that he intends to continue operation. The applications for his transmitters may, in fact, represent stations now on the air. See FCC News in the JPD for Sept 7th p. 3.

Applications:

Atikokan	CFTMT-1 (7) power from 544w to 3.9kw
Fareldton	new Ch 7 2.3kw ex CBMT (2) Toronto
Manitouowadge	new Ch 15 9.9kw " " " "
Toronto	CFTMT-TV seeks change from Ch 45 to 47 and power increase from 104.5kw to 807kw on the TV power.

Prince Edward Island

Charlottetown	new Ch 31	91kw	ex CBMT (11) Moncton
---------------	-----------	------	----------------------

Quebec

Campement Duplan- tier II V	new Ch 9	10w	ex SRC via Anik
Campement Goullette*	new Ch 12	10w	" " " "
Camp Laveren- dray*	new Ch 10	10w	" " " "
Camp Nemiskau*	new Ch 10	10w	" " " "
Deception Bay (Asbestos Hill)	new Ch 13	8.0w	ex CBC via Anik
Gros Morne	new Ch 4	10w	ex CBGAT (6) Matane
Hull	CHVO (30) power to 715.3kw		
Hull	CHOT (40) power to 275.1kw		(TVA network)
Île de la Ma- delaine	CBDMT (12) power from 1.48kw to 2.9kw		
La Goullette	new Ch 10	62w	ex CBMT (6) Montreal
Lithium Mines	new Ch ? CFTMT-TV-1		ex CFTMT (?) Rouyn- Noranda (?) TVA net
Manouane	new Ch 5	10w	ex SRC via Anik
Marsoui	new Ch 12	10w	ex CPGA (6) Matane
Otedjiwan	new Ch 10	10w	ex SRC via Anik
Rivière St Paul	new Ch 11	23w	ex CBMT (6) Montreal
Rouyn/Noranda	new Ch ? CFTMT-TV		TVA Network
Waymont	new Ch 6	10w	ex SRC via Anik



Applications:

Briessay Camp*	CHLG-TV-4 change from Ch 4 to Ch 12 and power from 110w to 10w		
Campement LG4*	CHLG-TV-1 change from Ch 5 to Ch 6 and power from 128w to 53w		
Antibougemou Camp Miraz*	new Ch 4	230w	ex CBMT (6) Montreal
(near Camp LG3)	new Ch 12	10w	ex SRC via Anik
Pontange Camp*	CH13-TV-7 change from Ch 2 to Ch 12 and power from 100w to 10w		
Fort St. George	new Ch 12	10w	ex CBMT (6) Montreal
Jonquière	CHRS-TV (12) power to 161kw		
Mistassini Station	new Ch 9	10w	ex CBMT (2) Montreal
Mistassini Station	new Ch 12	10w	ex CBMT (6) Montreal
Mirdochville	new Ch 21	10w	" " " " "
Nojvear Comptoir	new Ch 12	10w	" " " " "
Trois Pistoles	new Ch 8	10w	ex CFTMT-TV (9) Rivière du Loup

* Construction camps at the James Bay hydro-power project

SEPTEMBER 1979

Fallasenda	new Ch 24	11.4kw	416'x	CEWFT (3) Winnipeg MB
Wyross Hills	new Ch 2	2.3kw	305'x	CEWFT (5) Swift
				Current
Debden	new Ch 22	2.9kw	310'x	CEWFT (3) Winnipeg MB
Fort Qu'Appelle	CEWFT-3 changes from Ch 5 to Ch 4 and power from 5 w to 8.9w			
Moose Jaw	new Ch 16	6.7kw	ex	CEWFT (3) Winnipeg MB
Pontifex	new Ch 3	10.5kw	650'x	CEWFT (5) Swift
				Current
St. Eriaux	new Ch 7 CEWFT-4	1.4kw	185'x	CEWFT (3) Winnipeg MB
Southend	new Ch 13	36w	ex	CEKST (11) Saskatoon
Willow Bunch	new Ch 21	9kw	ex	CEWFT (3) Winnipeg MB
Yorkton	CEKOS-TV (3) power to 14kw			
Zenon Park	new Ch 21 CEKFT-5	3kw	310'x	CEWFT (3) Winnipeg MB

Applications:

Davidson	new Ch 14	11.4kw	ex CERT (9) Regina (Withdrawn)
Gravelbourg	new Ch 45	19kw	ex CERT (9) Regina
Gravelbourg	CERT-6 power from 20.9kw	to 19kw	615
Marango	new Ch 15	12.8kw	ex CERT (11) Saskatoon

Yukon Territory

Clinton Creek 7BDCT (8) deleted*

Applications:

Keno Hill	new	Ch 5	5w	ex GERT (13)	Keno Hill
Miles Ridge	new	Ch 12	10w	ex GERT (7)	Beaver Creek

* In this case when the mine closed, the town was dismantled including a bridge into the place and shipped out so that nothing now remains.

PROPOSED CANADIAN UHF TV PLAN

[illegible]

THE CANADIAN INFO on the preceding pages covers early September 1978 to about the end of June 1979. We still have a gap of info from April 1 to September 1, 1978, but Walter will try to locate the missing information when possible. Thanks again, Walter!

REVY OF NEW TRANSLATORS is cropping up, especially in Florida, where CJs were issued for 27 new low watt translators all through the keys. The two WTOG 44 a translation for Kral watt translators may simply be the first of many such applications. WTOG 44, don't forget, is owned by Hubbard Broadcasting, who are also owners of KSTP-5 and it's numerous translator applications. Also, the low watt Spanish International Network is planning to use many translators to provide Spanish language service in areas where none currently exists.

CNN IN KNOXVILLE concerning the three local commercial stations: WATN-6 has been moved away from its longstanding affiliation with ABC and has signed with ABC. That much we already know. However, ABC has its eyes not on ABC reject WTVN-26, but on current CBS affiliate WBIR-10. The idea of taking in NBC is attractive to WBIR-10 in light of the 1980 Olympics. WBIR-6's contract with NBC expires on October 1; however, all three stations would like to have their affiliations settled at least three weeks sooner to avoid viewer confusion that would result from the changes taking place 3 weeks into the new TV season!

OTHER ABC NEWS: The network switch between WTHR 13 and WRTV-6, both Indianapolis, took place in June 1.....new WMDT 47 Salisbury MD (Not on yet) has affiliated with ABC.

KTAR-12 ON CHANNEL 27! Well, that's how an UNID logging might read if you're not careful. On July 29 from 2000-2300 EDT, ABC re-ran the movie "Fire in the Sky", about a renegade comet that destroys Phoenix before your very eyes. The movie is one long plug for Phoenix affiliate KTAR 12! Elizabeth Ashley plays an executive with KTAR, mini-cams are frequently seen displaying the KTAR logo, etc., etc. Any confusion that may have resulted, however, should be alleviated by the fact that KTAR-12 is now KPNX-12! And, oh yes, Phoenix really is still all there....

TV NON-IDS? Heaven forbid, but it's true. TV stations have long made use of slogans and non IDs, but many are taking on the trend of their FM kinfolks and using non-IDs with increasing regularity, some to the virtual exclusion of any more than the required legal ID, which often consists of barely discernable microscopic call letters anyway! 2 notorious proponents of this practice, as noted here on summer 88, are KYW-3 with their "3 for all" non-ID, and KTVQ-3, who almost always IDs as "Your Friend 3." I believe it's time to take on the unfortunately needed task of running TV non-IDs in this column. Your help in this endeavor naturally, is needed.

THE "24 HOUR" CLUB has a new member; WFTV-9 in Orlando. They now program around the clock, 7 days a week. The c.e. says that the only time they will ever go off again is in case of an emergency, and he adds that modern transmitters no longer require the extensive testing and routine maintenance of the past.

Typical TV Non-ID: WTVX-34 FL



THE FIRST MULTI-LINGUAL TV STATION in North America is scheduled to be CHMT-47, scheduled to begin broadcasting from Toronto on September 3. They plan to broadcast in 40 languages! (40--count 'em--40) The station is getting a mixed reaction in Toronto, as CRTC regulations will require CATV systems to "bump" an American station from Chs. 2-13 to a mid-band or super-band channel, which not all subscribers are equipped to receive, in order to make room for CHMT-47.

BIZZARE DEPARTMENT: It was reported by UPI that a man with a history of mental illness, who had shot his estranged wife to death, proceeded to call WPLG 10 in Miami to confess to the shooting, and wanted to know if he would be paid for his news tip! No fooling!

PAY-TV NEWS NOTES: WXON 20 in Detroit is now running pay-TV programming....WKID-51 is scheduled to begin programming an evening pay-TV schedule shortly, replacing the religious programming that had previously filled the evening hours. (For those who know of him, the inimitable Dave Dixon retains his All Night show on the same station!).....Comsat is seriously considering offering home-satellite reception of pay TV utilizing small rooftop antennas and relatively inexpensive converters. A similar system is being test-marketed in Japan.

MISCELLANY: WGBS-49 Red Lion PA reported on, but not official....Full Gospel Businessmen's Fellowship wants a 100-w UHF xtr in Muncie IN to repeat the 24-hour PTL Satellite Network--reportedly the first of many proposed xtrs....Two new IA xtrs making good DE: K38AS Ft. Madison (1-kw) and K54AF Keosauqua (100-w), both relay KLIN 12....New licenses of Orlando Ch. 35 wants WOFT-TV calls....a Christian concern is struggling to receive CP for Ch. 24 in St. Louis....The Ch. 14/60 switch in San Francisco has taken place....little WCNC 40 in wild-wood NJ being sold--plans are to up tower & power to more effectively represent South NJ market....2 new "supertowers" planned by KQTV-2 MO and WCTI-12 NC--both will rise nearly 2000'....WLIW-21 Garden City NY is back on-air with improved signal.....

CONTRIBUTORS: Robt. Baker, Humboldt IA; Leo Boehl, Gr. Island NE; Phil Boersma (WKJR-AM/FM), Spring Lake MI; Robt. Goodman, Cicero IL; Glenn Hauser (WUOT), Knoxville TN; David Leibold, Blyth ON, Canada; Greg Monti, Bayville NY; Walter Patton, Montreal PQ, Canada; Paul Petosky (WIDG-AM), St. Ignace & elsewhere MI; Ken Simon, Lk. Worth FL; Ralph Strobel, Muncie IN; Jeff Silver Spring MD; Tom Yingling, Baltimore MD. **WHEW!** Many "jewels" from the new 1979 TV YEARBOOK (yes, it's finally out, hi!) will have to wait until October!.....73, JOHN.

EASTERN TV·DX

Robert Kramer
3406 W. Pierce
Chicago, IL 60651

September 1979

Deadline: 5th

Es reports, especially those of John F. Combs and Frank Wheeler, seem to indicate a better Es season than I have noticed. Their reports indicate a fairly good season. John noticed Es throughout most of June, while Frank had many good catches from May-July. In addition to the skip, some good tropo reports have also been sent in. John Combs' June 17-19 opening produced some long haul ducts in excess of 500 miles (boy you guys down in FL are hogging all the good DX, hi) and Paul Petosky has more on the June 15th NW tropo that I reported last month. A fair tropo opening hit the Midwest on July 26-27, producing good signals from XLIFs nearly 300 miles away for your editor. This same opening also was very good to the east. Let's hope reports such as these continue.

The Unknown DXer (If this resembles your report, please identify yourself. In the future, put your name and address on the report, not just the envelope. When Bill forwarded the report to me, I had no way of knowing whose it was). EST/ET

February		25 Tr 2200 Providence V's	18 Es 1500	CKPR-2 ON 860
17 F2 1230	BBC1-BI (Ø) U.K.	WCAU-10 PA 140		Thunder Bay
	"(video buzz 45 MHz)"	30 Es 1723 WPBT-2 FL T		"Ø WGBS"
	Channel 52-Europ.	May		
	(Ø) "three stns. were in. Video buzz 48 MHz".	10 Es 1930 WPBT-2 FL 1050	22	1730 WBRZ-2 LA 1080
		2032 WJXT-4 FL T		1735 WDSU-6 LA 1070
		2058 WLBT-3 MS 970		1758 WBRZ-6 AL 820
		2100 WBRZ-2 LA 1080		1800 KALB-5 LA 1130
		11 1945 WPTV-5 FL 960		Alexandria
		WFPT-2 FL 1050		KJAD-4 TX 1280
		WTVJ-4 FL 1050		Beaumont
		2024 WEDU-3 FL 920		"New State"
		WESH-2 FL 860	1801	WCBI-4 MS 920
		14 Tr 2135 Springfield U's		Columbus
		Philly U's		"MUF to FW"
		WBRE-28 PA 130	1854	WABZ-6 MS 1030
		WNXP-16 PA 130		Greenwood
		2138 WVIA-44 PA 130	2000	KFDN-6 TX 1270
		WNJT-52 NJ 120		Beaumont
		WNJK-50 NJ 60		"MUF 97 MHz"
		2151 WBFF-45 MD 210	2030	KATC-3 LA 1150
		2156 WNCN-58 NJ 80	29 Tr 2000	Providence V's
		"Snow free"	2100	Boston U's
		WAPB-22 MD 220	30 Es 1903	WCTV-6 GA 860
		W62AA-62 NY 40		Thomasville
		2221 WETA-26 DC 230	1907	WVI-4 LA 1070
		WTFP-33 PA 170		WDSU-6 LA 1070
		Hershey		1914 WBAZ-3 FL 960
		2248 WTPA-27 PA 180		1928 WBRZ-2 LA 1080
		WNJM-50 NJ		1929 WKRG-5 AL 990
		2255 WPMZ-69 PA 120		Mobile
		WDAU-22 PA 130		WDTN-2 AL 910
		2300 WHP-21 PA 180		Dothan
		15 0650 WMXP-67 MD 210		
		WHYH-40 MA 60		
		2200 NJ U's		
		18 Es 1430 KICA-2 MN 940		

"F2 TV DX is gone for now, but it looks like this area may have another fine skip season. For anyone trying to DX foreign TV during the coming F2 season,

there's a set available in many New York camera shops that can be converted to the British and continental European TV systems. It is the Sinclair Microvision TV, and sells between \$200-250. I had the set demonstrated, and it works very well. Unfortunately, the set only has a 2" screen, making picture taking difficult unless you had a magnifying glass, or one of those old mineral expanders from the late 40's. But I'm going to attempt F2 DX with this set (which I plan to get sometime around Xmas), because I can't find other sets anywhere that demodulate foreign video. 73's.

John F. Combs 2485 Ivan Court Orlando, FL 32807 (31)

JUNE		3 Es 2030	KDFW-4 TX 967	3 Es 2035	KPRC-2 TX 857
3 Es 1830	Noted, no time to watch		KALB-5 LA 589	2036	KUF 93.3 MHz
1900	WAPA-4 PR 1184		(prev. by Tr, MS; 4th stn by 3 modes)	2048	KENS-5 TX 1025
				2113	KIII-3 TX 978

John F. Combs Continued

JUNE

24 Es 1654 WWS-5 OH 918

Cleveland

1707 MUF 94.7

1712 WCMH-4 OH 797

1728 KTVY-4 OK 1059

1730 WJMN-3 MI 1253

1735 Unided TX

1751 WBRV-2 IL T

1756 WFSB-3 CT 1034

1800 WNBC-4 NY 942

1803 WNEH-5 NY T

1810 WIVB-4 NY 986

1821 KDKA-2 PA 829

1825 WTAE-4 PA 815

1830-1930+ MUF 107.9

1944 WSAU-7 WI T

1957 WLS-7 IL T

ø to WJCT, CBS

ø offset to WJCT

in and out over

next 30-40 min.

25 0045 CKVR-3 ON 1096

0055 CKSO-5 ON 1252

0114 CKCO2-2 ON T

0125 CKSO1-3 ON 1250

Elliot Lake

(Auroral type hash

and loss of horiz.

sync during fades

on this opening-

could be Au-induced

Es make it this far

South ?)

0835 Unided 3/4 CB 4

0920 Unided 3, 3/4 CB.

full CB

0922 CKCO2-2 ON T

WSYR-3 NY 1036

0926 MUF 93.1

0955 WNBC-4 NY 942

WCBS-2 NY T

1010 WTVH-5 NY 1036

1126 WISC-3 WI 1099

1229 WBBM-2 IL T

1258 KTVO-3 MO 1039

WCIA-3 IL 951

KIMT-3 IA 1269

1303 KSD-5 MO 864

1312 WOG-6 IA T

1314 KMOX-4 MO 864

1318 WISL-3 IL T

1324 MUF 94.7 MHz

1325 KTVI-2 MO 864

1332 KSNB-4 NE T

1341 KCMO-5 MO 1048

1346 WDAF-4 MO 1048

1354 KQTV-2 MO 1089

1357 KXTV-3 MO 896

"CCI 2,3 cont.

through the aft.,

no IDs."

26 1020 CCI noted on 2,3

1845 CCI noted on 2-4

28 1345 CCI 2,3.

(on the above three,

John reports he was

too busy to ID, ed)

At Gainesville, FL

29 Es 1500 CBOT-4 ON 1120

"and several

unideds"

2030 KTVO-3 MO 935

KQTV-2 MO T

2053 KTVI-2 MO T

2100 WDAF-4 MO 945

"MUF at least

94.9 MHz"

Tr 2300 WCIV-4 SC 260

WITV-7 SC 260

WVAN-9 GA 180

"above 3 on CATV"

WEBA-14 SC 250

WJWJ-16 SC 220

30 Es 1750 t/in, CCI 2-4

1810 WFSX-3 PA 780

1835 WGR-2 NY 930

WBBN-4 NY T

Tr 2150 WEBA-14 SC 250

WEVU-26 FL 250

2200 WXL7-40 FL 160

2320 WUNJ-39 NC 410

WUNK-25 NC 510

JULY

1 Tr 0035 WCSC-5 SC T

0040 WECT-6 NC 410

"ABC audio U/

WDBO"

0045 WCTI-12 NC T

"on CATV"

Es 1020 WCAX-3 VT 1195

1059 WGR-2 NY 930

KPHG-2 TX 795

1107 WSYR-3 NY 960

2215 T/in, unideds

to TX until 2250

MUF at least to

88.1 MHz.

2 1230-1330 Noted mobile

on car FM to KS,

MO; MUF at least

94.9 MHz.

Back at Orlando

2 Es 1800 WCCO-4 MN 1350

KMTV-3 NE 1209

1900 KTVO-3 MO 1039

1915 KMOX-4 MO 861

WOI-5 IA 1145

1921 KSD-5 MO 864

1957 MUF 97.7 MHz

2030 WHPF-4 IL 1019

Tr 2150 Panama City V's

WCTV-6 FL 226

"U/WDBO"

2240 WDHN-18 AL 301

WYEA-38 GA 341

WGTQ-43 AL 329

0757 WLTN-19 SC 392

WITF-28 NC 523

WEBA-14 SC 320

WJWJ-16 SC 290

0807 WRJA-27 SC 373

WJPM-33 SC 408

WRLK-35 SC 385

0830 WJSP-28 GA 357

WYEA-38 GA 341

3 Tr 0830 WDHN-18 AL 301

WCCO-15 GA 294

0835 WQWB-41 GA 318

0844 WATV-26 SC 337

0845 WCES-20 GA 329

0858 WIS-10 SC 387

4 Es 2100-2130+ various

unideds to TX area.

Tr 2140 WLTN-19 SC 392

WJWJ-16 SC 290

WRJA-27 SC 373

WRLK-35 SC 385

WJPM-33 SC 408

WUNJ-39 NC 440

WBTW-13 SC T

2145 WITV-7 NC T

2155 WOLO-25 SC 380

2220 WEBA-14 SC 320

2230 "Had to quit"

5 0905 Panama City V's

Es 1845 KARD-3 KA 1129

1920 KSNB-4 NE T

8 1017 Unided 3

10 0820 Unided 3, CBS,

TX ?

1745 KYTV-3 MO 896

KSNB-4 NE 1232

1800 WFSB-3 CT 1034

2Es? 1814 CHS3-4 NB 1582

St. John

"Local ad con-

firmed with Dir-

ectory assistance,

province #3."

1815 Unided 4 FF

1816 WTMJ-4 WI 1069

1836 WCAX-3 VT 1202

1850 WLEZ-2 ME T

1854 WNBC-4 NY 942

1856 WNEH-5 NY 942

1900 WSYR-3 NY 1036

1956 MUF 94.3 MHz

2000 WTVH-5 NY 1036

0845 Unided 3, CCI 2

11 1330 T/in unideds 2-4,

no time

15 1700 XEFB-3 NL 1185

XHRIO-2 TAMS 995

1710 KGBT-4 TX 1023

KRGV-5 TX 1020

1720 KTVY-4 OK 1059

1730 KMTV-3 NE 1209

1759 KQTV-2 MO 1089

1823 WFSX-3 PA 856

WHSV-3 VA 719

Harrisonburg

1849 WTAE-4 PA T

1853 WKYC-3 OH 887

1856 WWSN-5 OH 918

1922 MUF 99.1 MHz

1938 WHPF-4 IL 1019

2015 MUF 99.1 MHz

2058 WTTV-4 IN 799

2128 KFDX-3 TX 1078

KAUZ-6 TX 1087

Wichita Falls

2235 KPRC-2 TX 857

KAMR-4 TX 1301

John F. Combs Continued

15 Es	2259	KTVY-4	OK	1059	23 Es	0855	KGBT-4	TX	1023	31 Es	1251	KTVY-4	OK	1059
		KOET-3	OK	948			XEFB-3	NL	1185		1254	KOCO-5	OK	1059
	2348	XSNB-4	NE	1232	24 Es?	1025	Unided	4	Mex			KFSN-5	AR	901
16	0000	KPRC-2	TX	857			(local NX ment.					1308	MUF	97.7 MHz
	0005	KMTV-3	NE	1209			Tepic, Cuadalajara					1321	KARD-3	KA 1129
	0007	WKZO-3	MI	1036			and Acapulco, all					1330	KCHO-5	MO 1048
	0018	KQTV-2	MO	1089			have channel #s)						WDAF-4	MO 1048
	0032	KTVI-4	IA	1329	1135		WAPA-4	PR	1184			1425	XHRIO-2	TAMS T
	0852	KMTV-3	NE	1209			WKAQ-2	PR	T				KIII-3	TX T
	0907	KINT-3	IA	T			1217	WORA-5	PR	1161		1444	XHD-4	TAMS 1135
	0925	KTVO-3	MO	1039			// WAPA-4					1907-2000	Many unided	esp. on ch. 3
	0954	WJMN-3	MI	1253			1435	YSR-2	EISal	1160		1936	WCIA-3	IL 951
	1000	WCIA-3	IL	951				YSU-4	EISal	1160		1959	WKZO-3	MI 1036
19	1745	HISD-4	DR	1005			1502	TGV-3	GUAT	1155		2052	CKVR-3	ON T
	1825	local WESH	OFF	1			1725	WKZO-3	MI	1036		2057	MUF	93.1 MHz
	1828	YVV?-2	Venezuela				1758	KTES-3	LA	799			briefly	
		Caracas or					1800	KOET-3	OK	948		2059	WSYR-3	NY 1036
		Naracaibo					1817	KDFW-4	TX	967		2100	WISX-3	PA T
		(several probos					1825	KXAS-5	TX	967		2103	WVH-5	NY 1036
		W/Radio Caracas					1922	KNOL-4	TX	1025		2116	WTAE-4	PA T
		logo, then NX,					1929	KIII-3	TX	978		2204	MUF	91.1 MHz
		very choppy W/					1930	KGBT-4	TX	1023			briefly	
		poor sync. &						XEZ-3	QRO	T		2300	KTVO-3	MO 1039
		strange CCI-perhaps						1931	XHD-4	TAMS	1135			(2 reports combined,
		linking with TE,							XHRIO-2	TAMS	T			ed.)
		but a little early						2000	KRGV-5	TX	1020			
		for that. Exact						2006	XEFB-3	NL	1185			
		XMTX unknown, but					26 Tr	2030	Charleston	V's				
		distance anywhere					27	0750	WIS-10	SC	387			
		from 1400-1525 mi.							WERA-14	SC	320			
20	1831	local WESH	back	on					WJWJ-16	SC	290			
	1059	WDIV-4	MI	968					WQIO-25	SC	380			
	1100-1235	various unided.							WNTV-29	SC	449			
21	0925-1330	various unided,							WRLK-35	SC	385			
		mostly SS							0755	WLTX-19	SC	392		
	1350	TGV-3	GUAT	1155					0809	WATO-26	SC	337		
	1351	MUF	at least	88.8					Es	1530+	CCI	2 & 3		
	1425	XHAO-4	Mex								too busy			
	1429	XHGE-5	Mex						1835	KYH-3	PA	868		
		"Net-13, now we								WFSB-3	CT	T		
		know calls on both"							1845	WHBF-4	IL	1019		
	1535	KPRC-2	TX	857					1852	WFSX-3	PA	T		
	1538	KNOL-4	TX	T					1855	KINT-3	IA	1264		
	1556	KDFW-4	TX	967					1924	WDIV-4	MI	968		
		KFTX-3	TX	910						KTVO-3	MO	1039		
	1600	KRGV-5	TX	1020					1925	WOI-5	IA	1145		
	1602	KGBT-4	TX	1023					1955	WTOM-4	MI	1195		
	1605	XHRIO-2	TAMS	995					2054	KPRC-2	TX	857		
	1625	KXAS-5	TX	T					2105	KQTV-2	MO	T		
	1710	XEFB-3	NL	T					2135	XHD-4	TAMS	1135		
	1815	KAMR-4	TX	1301					28 Tr	0809	Panama City	V's		
	1910	KTVY-4	OK	1059					Es	1655	Unided	4	Mex	
		KOET-3	OK	948						2017	Unided	3	Mex	
	1921	KTEW-2	OK	T					29 Tr	2138	Panama City	V's		
	1922	KOCO-5	OK	1059							WAEW-14	CA	244	
	1944	KOTV-6	OK	T						2219	WMAH-19	MS	479	
	2035	KFSM-5	AR	901							"also CCI: Chs.			
	2039	MUF	95.5	MHz							3,4,5, 8			
	2112	KARK-4	AR	785					31 Es	0940	KPRC-2	TX	857	
	2119	KYTV-3	MO	T							0955-1050	various		
	2225	MUF	98.9	MHz							unideds			
	2300	WDAF-4	MO	1048							1053	WFSB-3	CT	T
22	1143	KIII-3	TX	978							1056	WRC-4	DC	760
	1159	XHRIO-2	TAMS	995							1058	KYH-3	PA	868
	1203	XEFB-3	NL	1185							1102	WTAR-3	VA	T
	1204	KRGV-5	TX	1020							1104	WTIG-5	DC	T
	1205	KGBT-4	TX	1023							1110	WMAH-2	MD	T
											1203	KPRC-2	TX	T

"This may well be the best summer of DX ever seen here in Orlando. The highlight has to be the Ch. 7 Es on the 27th (June, ed.)-something I've waited to see for a long time. Even though no positive IDs were made, it was quite an experience! Es seen at least 23 out of 30 June days here in Florida. The unseasonal tropo continues- note the 17th/18th, the 24th, and the 30th (June, ed.) in particular. Log at 314. By the way, Roger Bunney's unided ch. A2 multi-hop Es has been identified as CKCW through the efforts of myself, Pete Sawatzky, Mark Lewis, and others. About 2700 mi, New Brunswick-to- England- probably a 3-hopper. A good month for Es (July, Ed.): CHSJ-4 seen on 7-10 for my first NE and my 3rd province; KAUZ-6 caught U/local on 7-15 (local had gone to black between ads); and Venezuela on Ch.2 on 7-19. I'm not certain whether the strangeness of the Venezuelan signal was due to a TE link, or the rumor